

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JULY 24, 2018

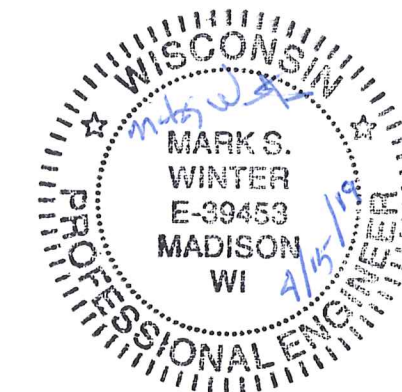
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 4/23/19
City Engineer Date

ACACIA RIDGE: PHASE 1
CITY PROJECT NO. 11777
CITY CONTRACT NO. 8081
MUNIS NO. 11777

STREET GEOMETRY DESIGNED BY:



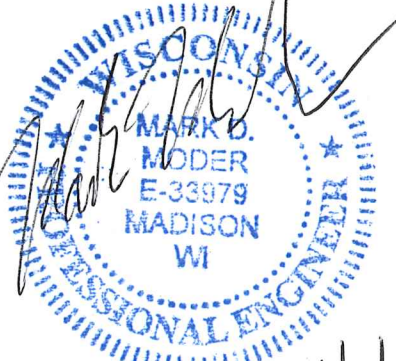
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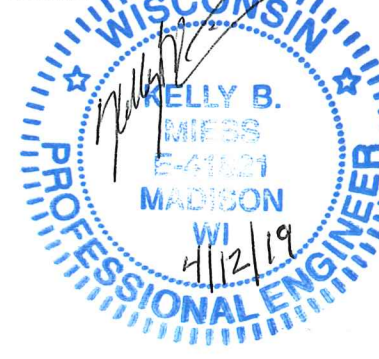
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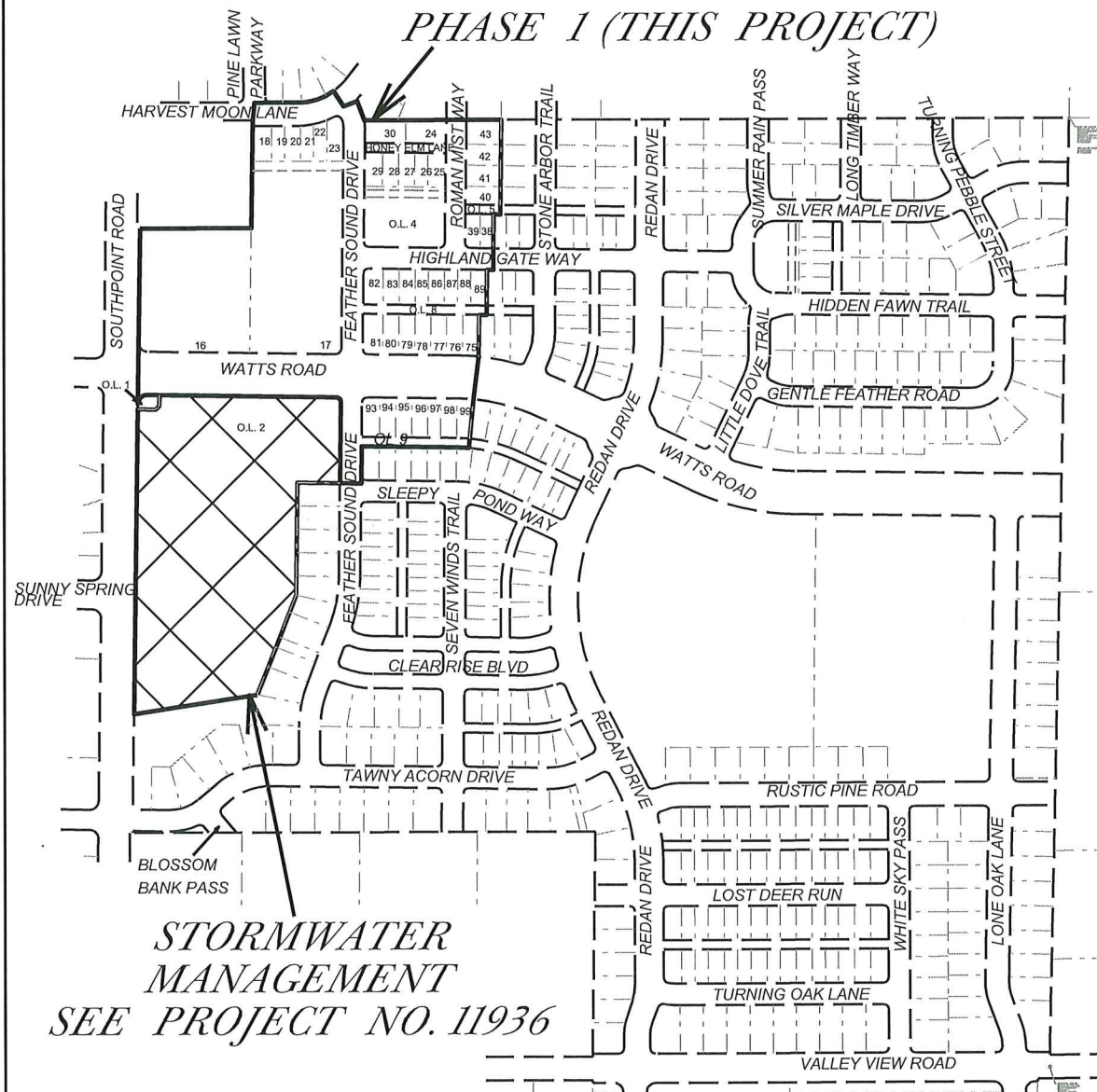
SANITARY SEWER DESIGNED BY:



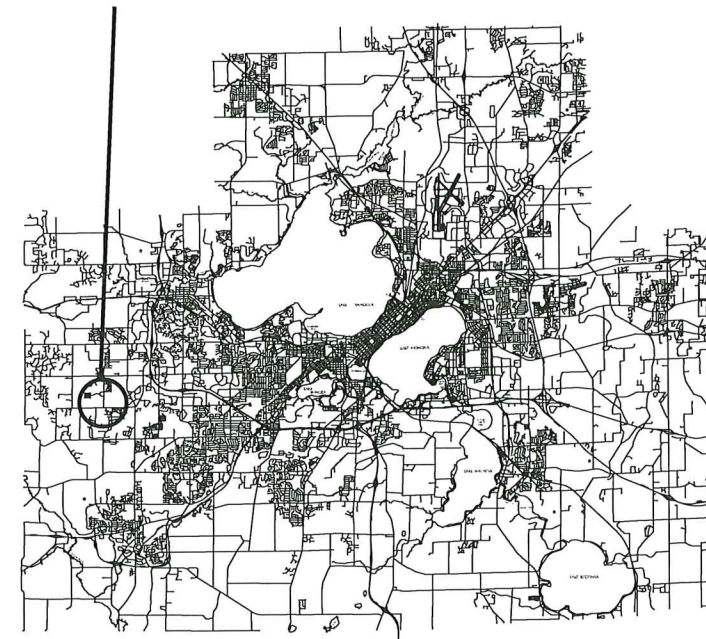
WATER DESIGNED BY:



STORM SEWER DESIGNED BY:



PROJECT LOCATION



PLOT SCALE: _____ PLOT NAME: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

ALL PAVEMENT IN THE FEATHER SOUND DRIVE, HIGHLAND GATE WAY, ROMAN MIST WAY, FEATHER SOUND RIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WATTS ROAD RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS 

STORM SEWER 

SANITARY SEWER 

WATER 

OVERHEAD ELECTRIC 

POWER POLE 

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD 

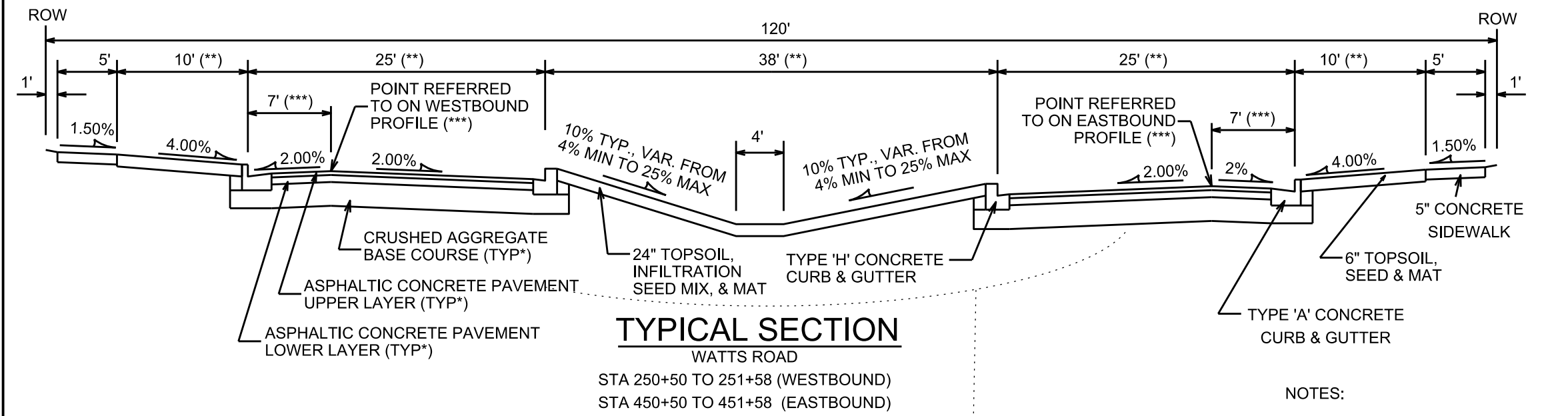
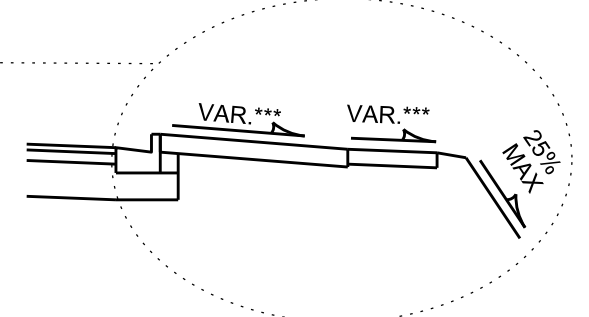
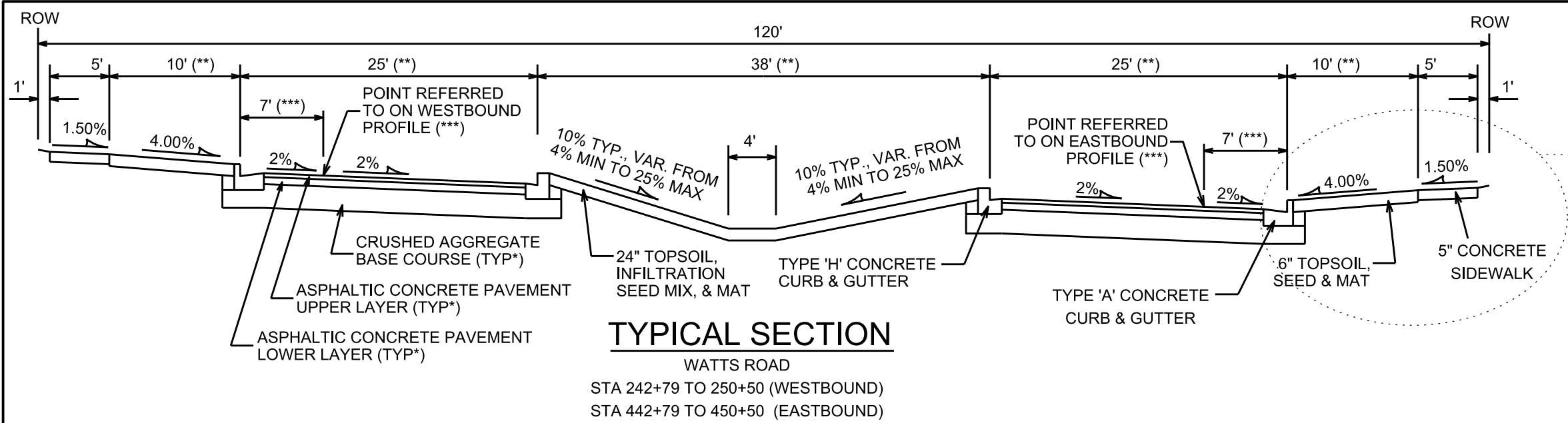
COMBUSTIBLE FLUIDS 

PLOT SCALE:

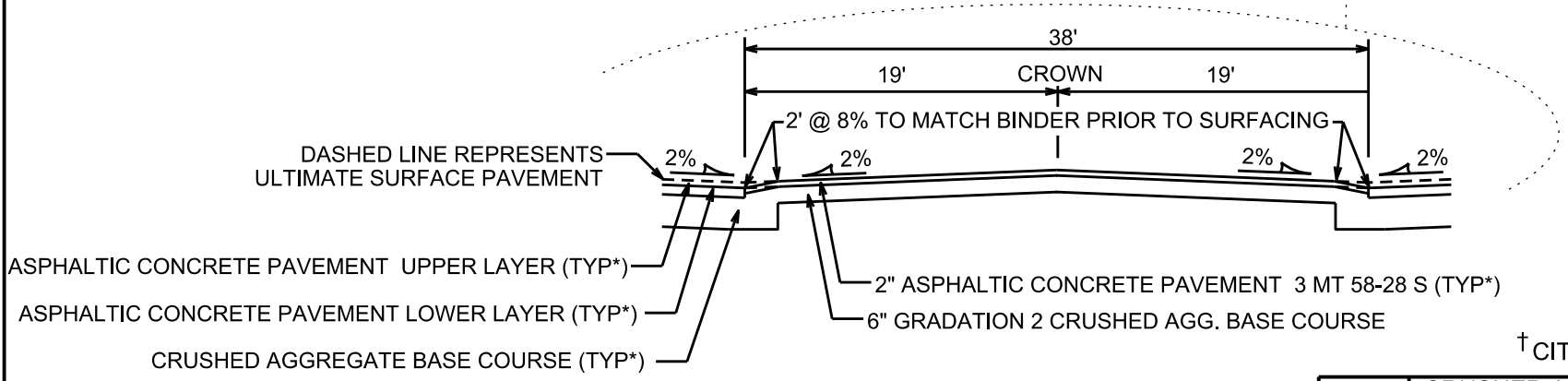
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
- * WATTS ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
 - ** DIMENSIONS AND SLOPES VARY NEAR INTERSECTIONS FOR BUMPOUTS, TURN LANES, AND TO TRANSITION TO CROWNED CROSS SECTION IN INTERSECTION. SEE PLAN AND PROFILE
 - *** NEAR INTERSECTIONS, WESTBOUND AND EASTBOUND REFERENCE LINES VARY TO ALIGN TO FLAG OF CURB AT BUMPOUTS.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 1. SEE CONTRACT NO 8200, PROJECT NO. 11937
 - TYPICAL SECTIONS NOT TO SCALE



† CITY OF MADISON MINIMUM PAVEMENT DESIGN

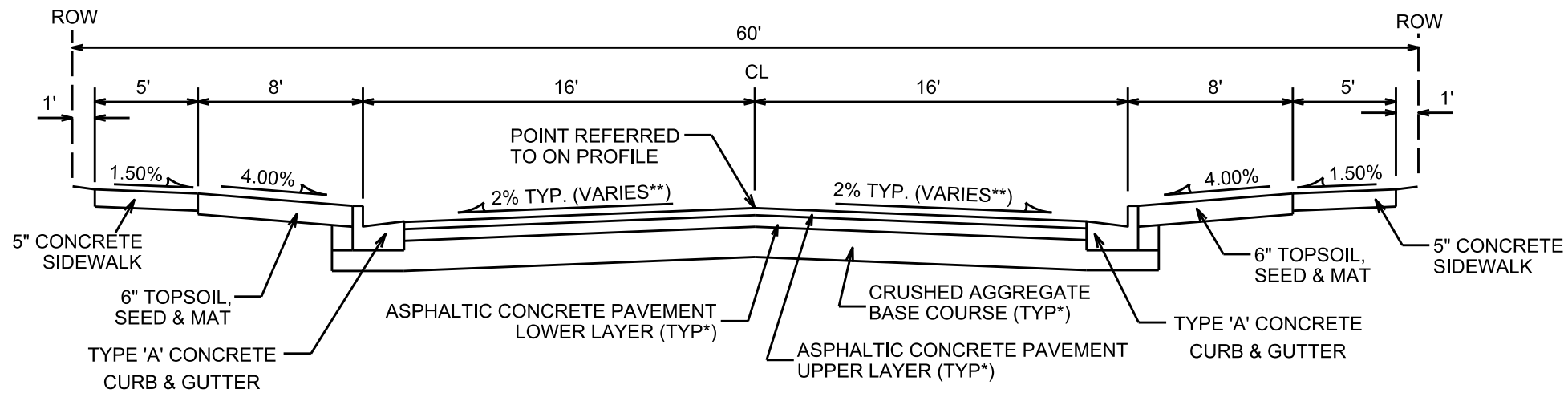
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT		UPPER LAYER	
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S	3.50"	4 MT 58-28 S	2.00"

PLOT SCALE:

PLOT NAME:

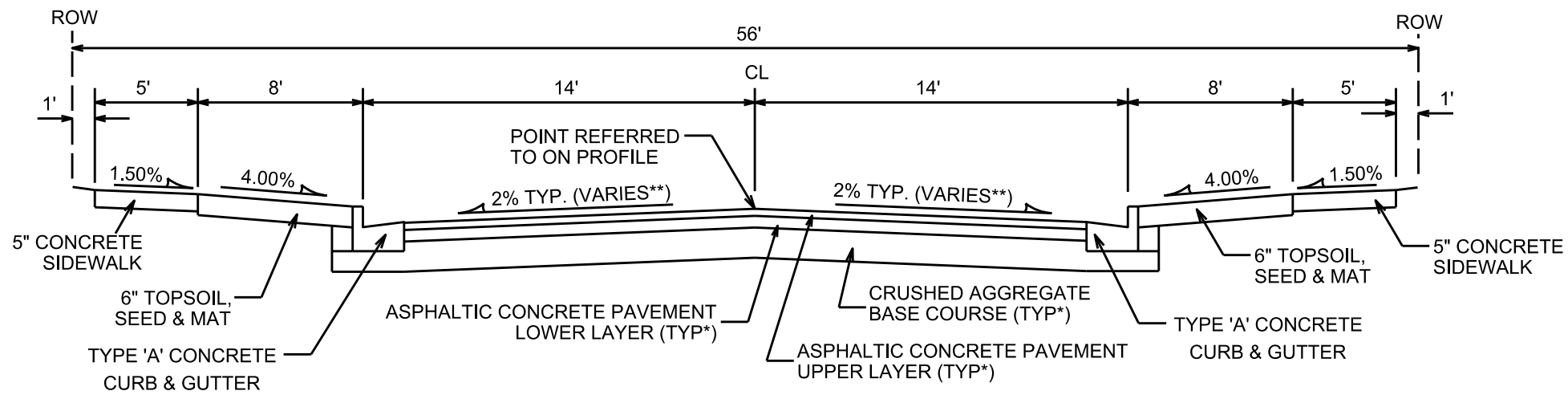
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION

HIGHLAND GATE WAY
FEATHER SOUND DRIVE



TYPICAL SECTION

ROMAN MIST WAY

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT†			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

NOTES:

* HIGHLAND GATE WAY, FEATHER SOUND DRIVE, AND ROMAN MIST WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND PROFILE SHEETS FOR DIMENSIONS, DETAILS, AND STREET CROSS SLOPES

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 1. SEE CONTRACT NO 8200, PROJECT NO. 11937

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



(1) 3" PVC
FUTURE FIBER

(2) - 3" PVC
(1) - 2" PVC

(2) - 3" PVC
(1) - 2" PVC (BYPASS HH2)
SCHEDULE 80

(2) - 3" PVC
(1) - 2" PVC
SCHEDULE 80

TYPE M BASE AND PAD TO BE
INSTALLED WITH CITY PROJECT 11871.
STUBB 2" PVC CONDUIT OUT AT HH3.

GENERAL NOTES

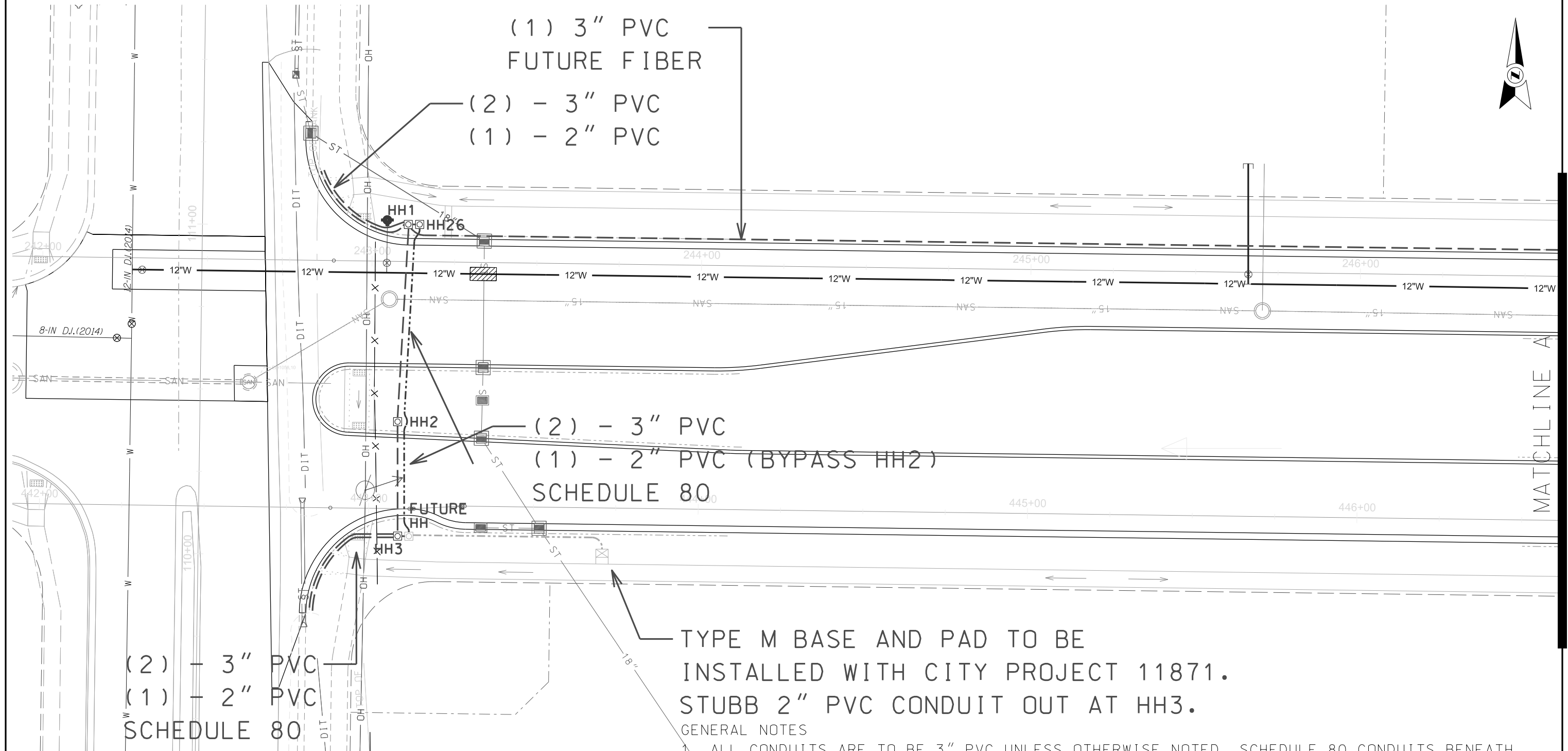
1. ALL CONDUITS ARE TO BE 3" PVC UNLESS OTHERWISE NOTED. SCHEDULE 80 CONDUITS BENEATH ROADS AND DRIVEWAYS, SCHEDULE 40 IN TERRACE.
2. ALL HANDHOLES ARE TO BE TYPE III HANDHOLES UNLESS OTHERWISE NOTED.
3. LOCATIONS SHOWN ON PLAN ARE APPROXIMATE LOCATIONS. CONTACT JERRY SCHIPPA, CITY OF MADISON TRAFFIC ENGINEERING 24 HOURS PRIOR TO INSTALLING HANDHOLES TO MARK LOCATIONS. (608) 267-1969

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



11777

SHEET NO.
E-2

ELECTRICAL PLANS

WATTS ROAD

CITY OF MADISON

JLS 4/4/19

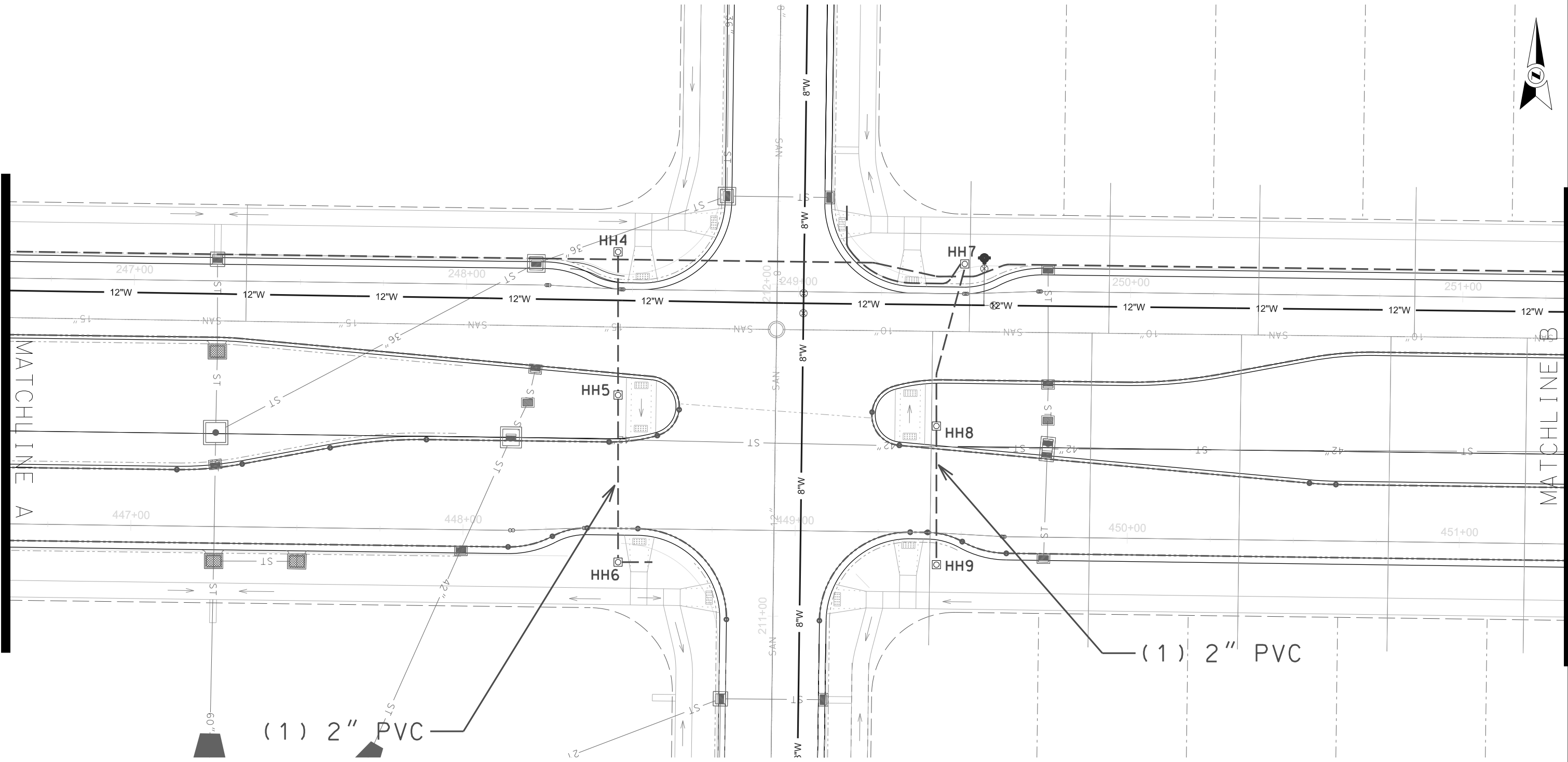


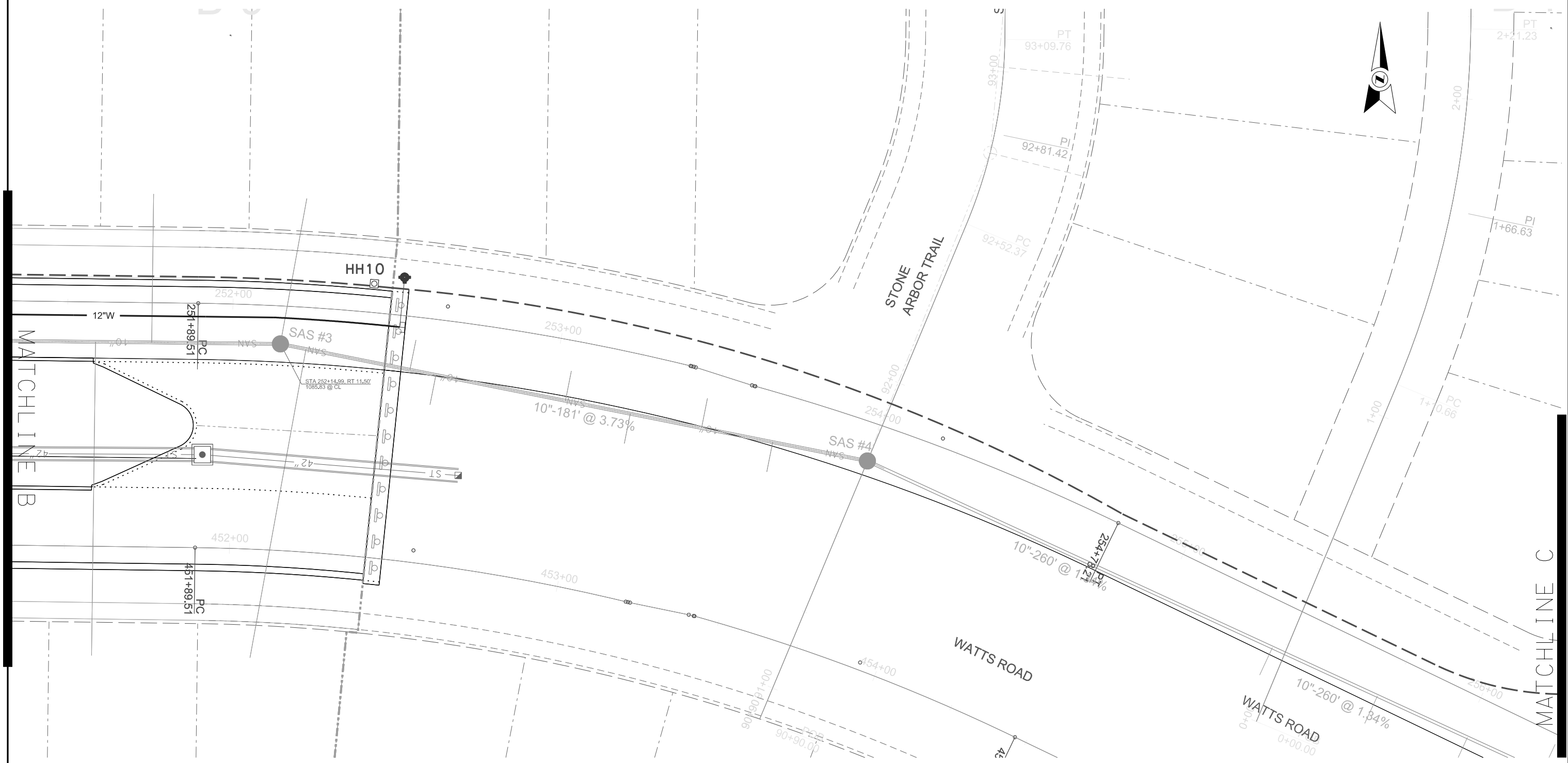
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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





PLOT SCALE:

PLOT NAME:

REV. DATE:

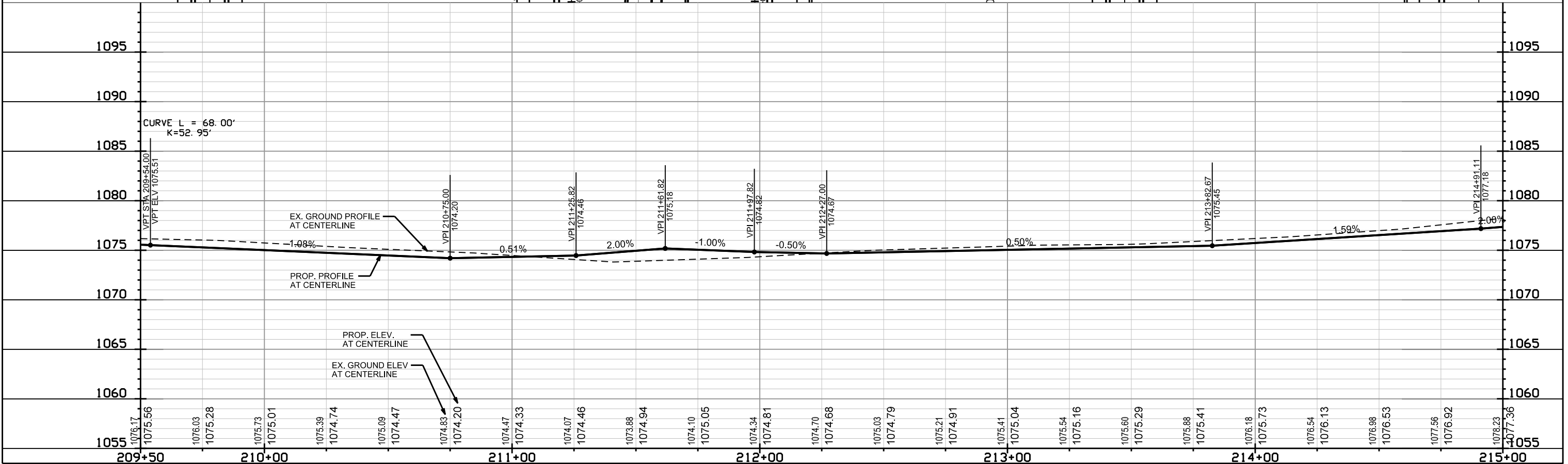
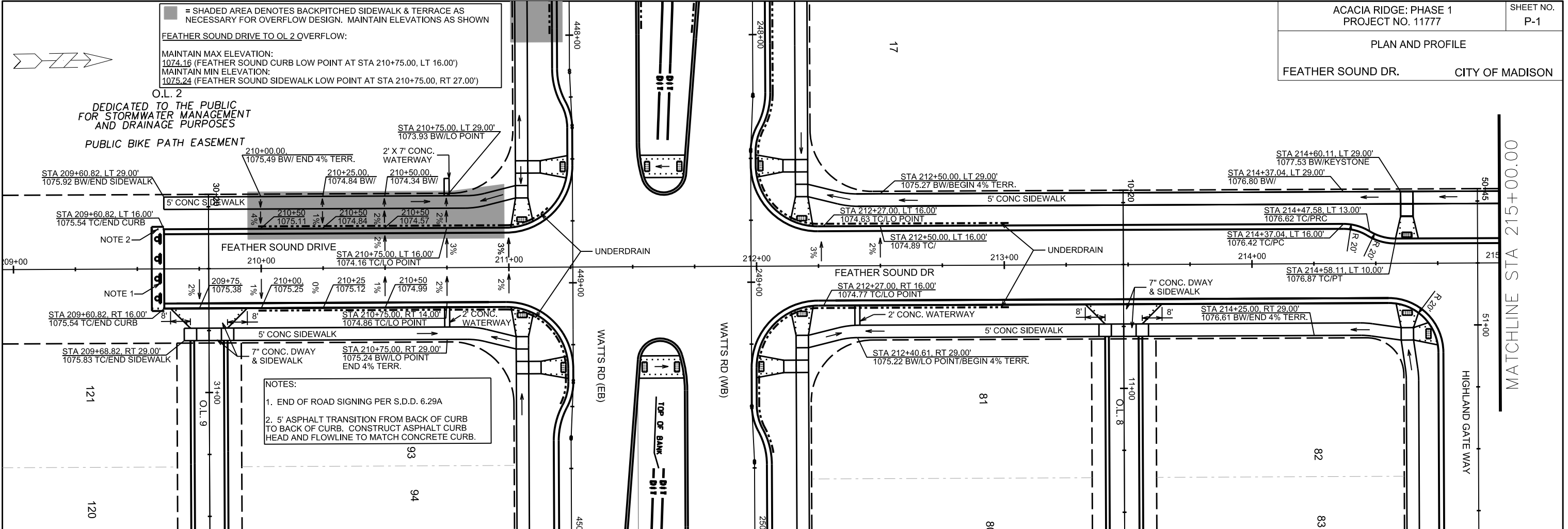
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

■ = SHADED AREA DENOTES BACKPITCHED SIDEWALK & TERRACE AS NECESSARY FOR OVERFLOW DESIGN. MAINTAIN ELEVATIONS AS SHOWN

FEATHER SOUND DRIVE TO OL 2 OVERFLOW:

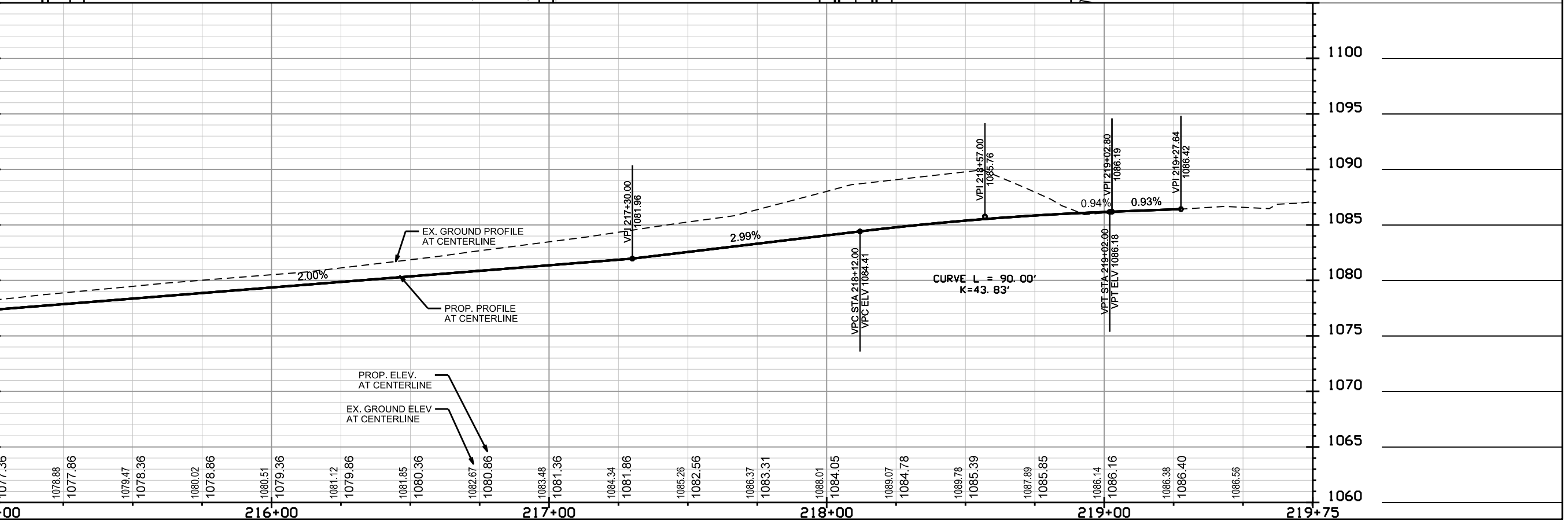
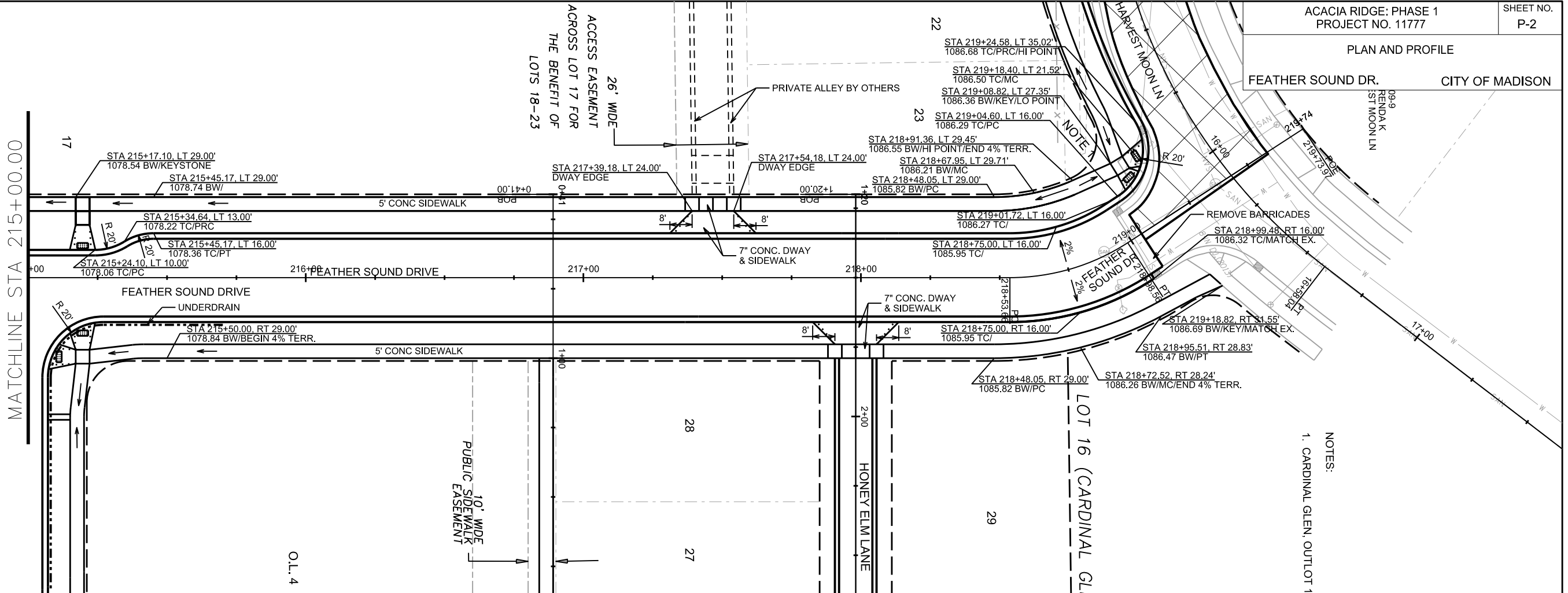
MAINTAIN MAX ELEVATION:
1074.16 (FEATHER SOUND CURB LOW POINT AT STA 210+75.00, LT 16.00')

MAINTAIN MIN ELEVATION:
1075.24 (FEATHER SOUND SIDEWALK LOW POINT AT STA 210+75.00, RT 27.00')



PLAN AND PROFILE

FEATHER SOUND DR. CITY OF MADISON



NOTES:
1. CARDINAL GLEN, OUTLOT 1

PLOT SCALE:

PLOT NAME:

REV. DATE:

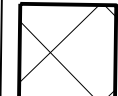
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

HARVEST MOON LN SIDEWALK CITY OF MADISON

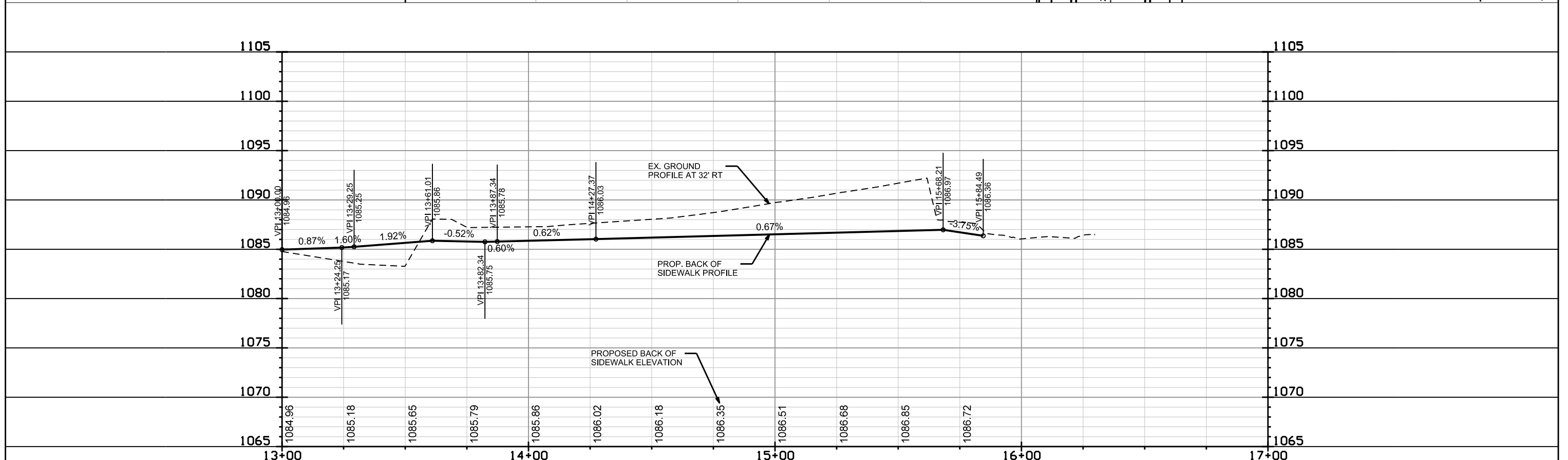
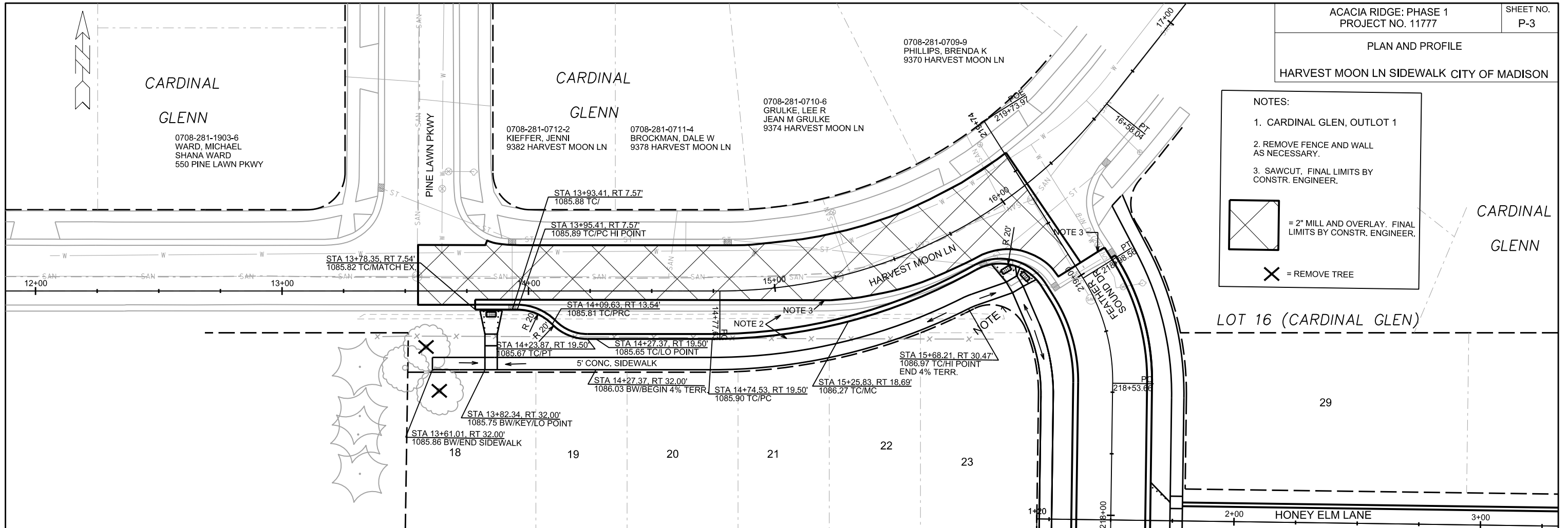
NOTES:

- CARDINAL GLEN, OUTLOT 1
- REMOVE FENCE AND WALL AS NECESSARY.
- SAWCUT. FINAL LIMITS BY CONSTR. ENGINEER.



= 2" MILL AND OVERLAY. FINAL LIMITS BY CONSTR. ENGINEER.

X = REMOVE TREE

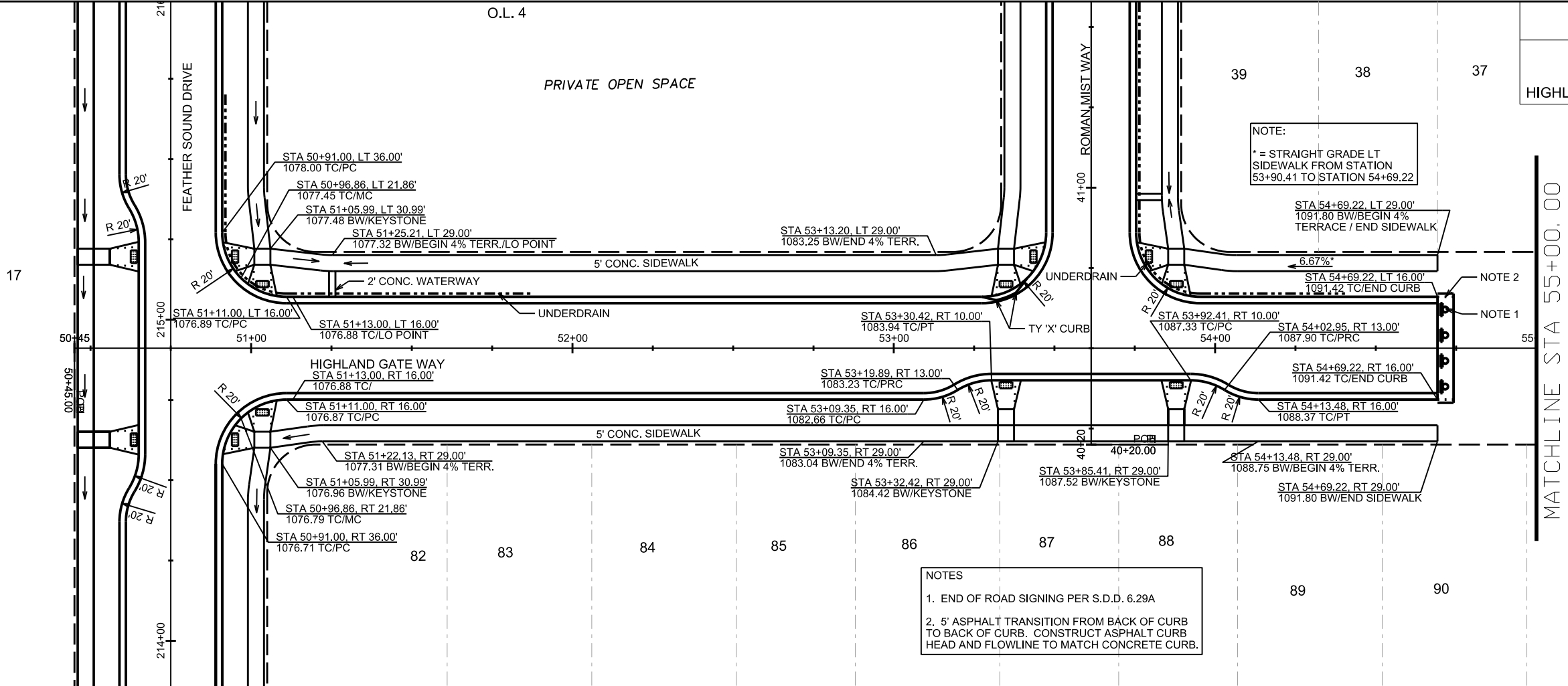
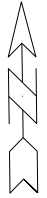


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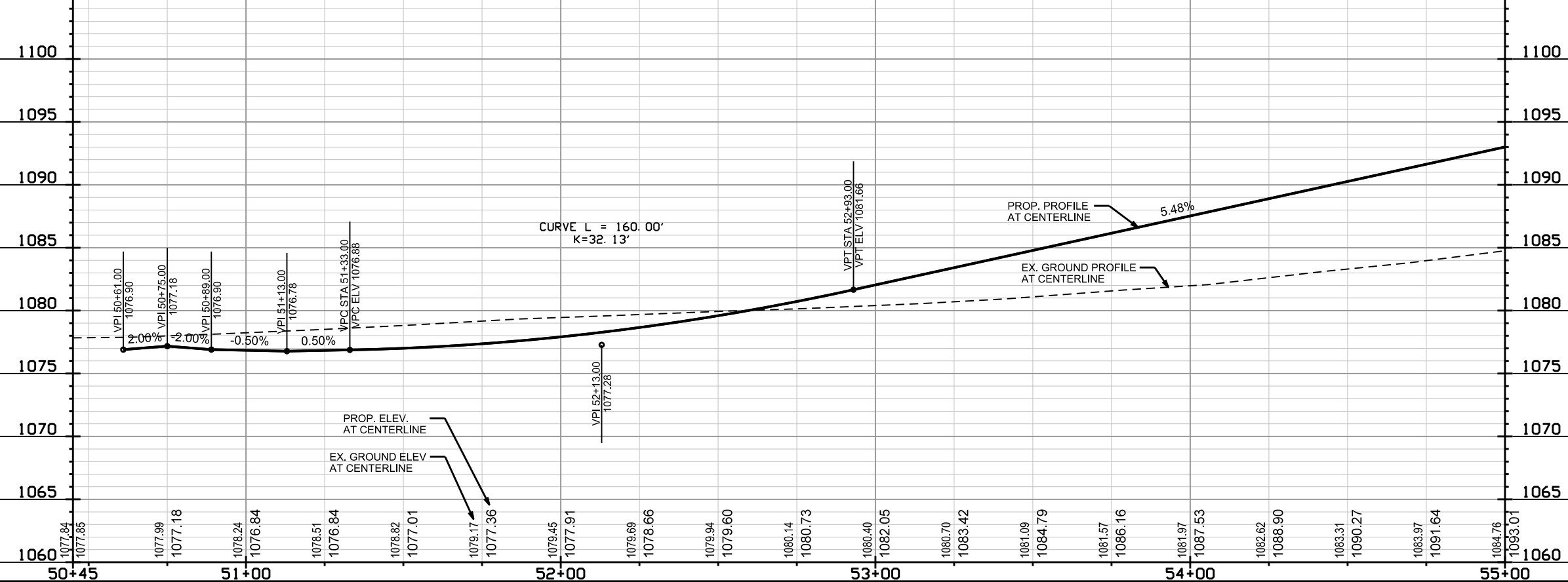
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

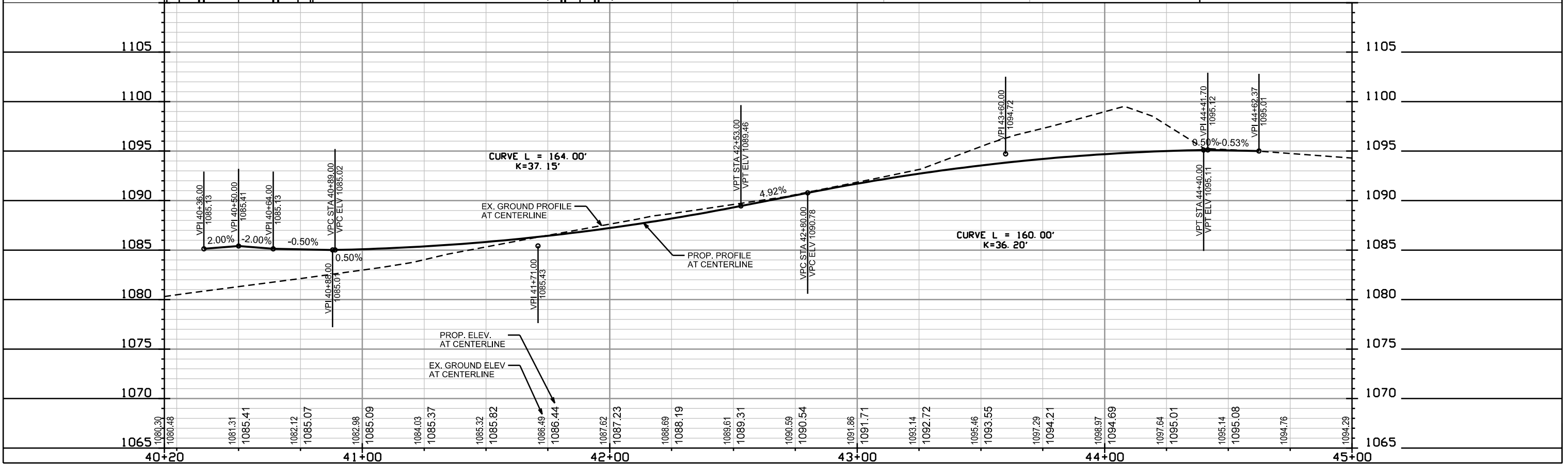
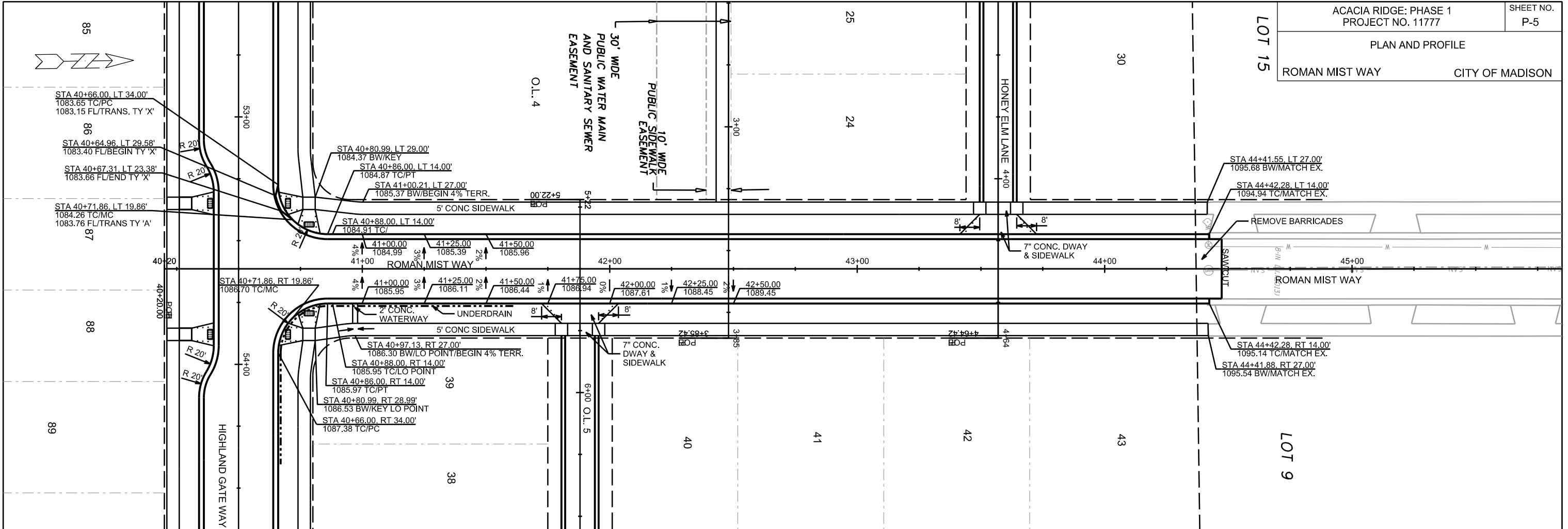


NOTE:
* = STRAIGHT GRADE LT SIDEWALK FROM STATION 53+90.41 TO STATION 54+69.22

- NOTES
1. END OF ROAD SIGNING PER S.D.D. 6.29A
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

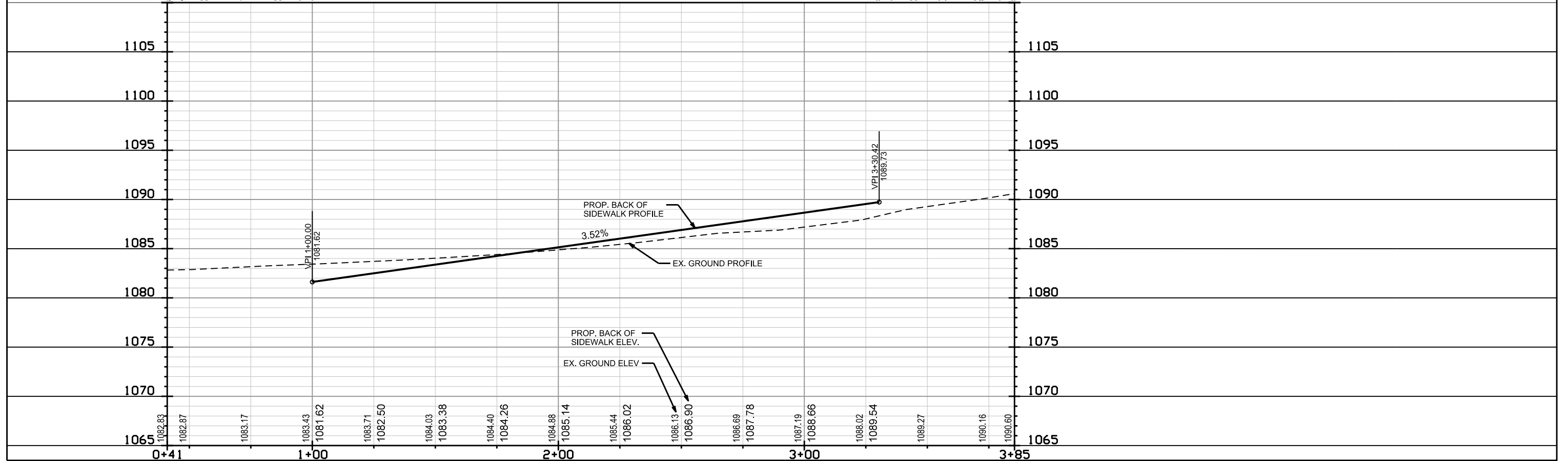
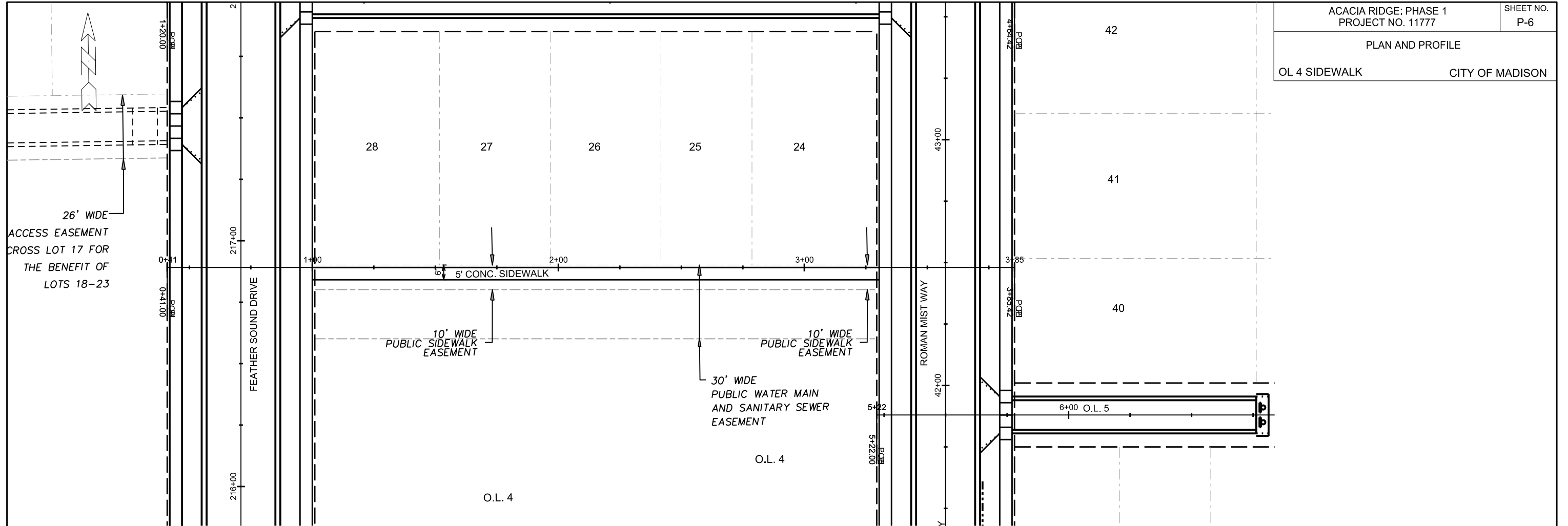


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:

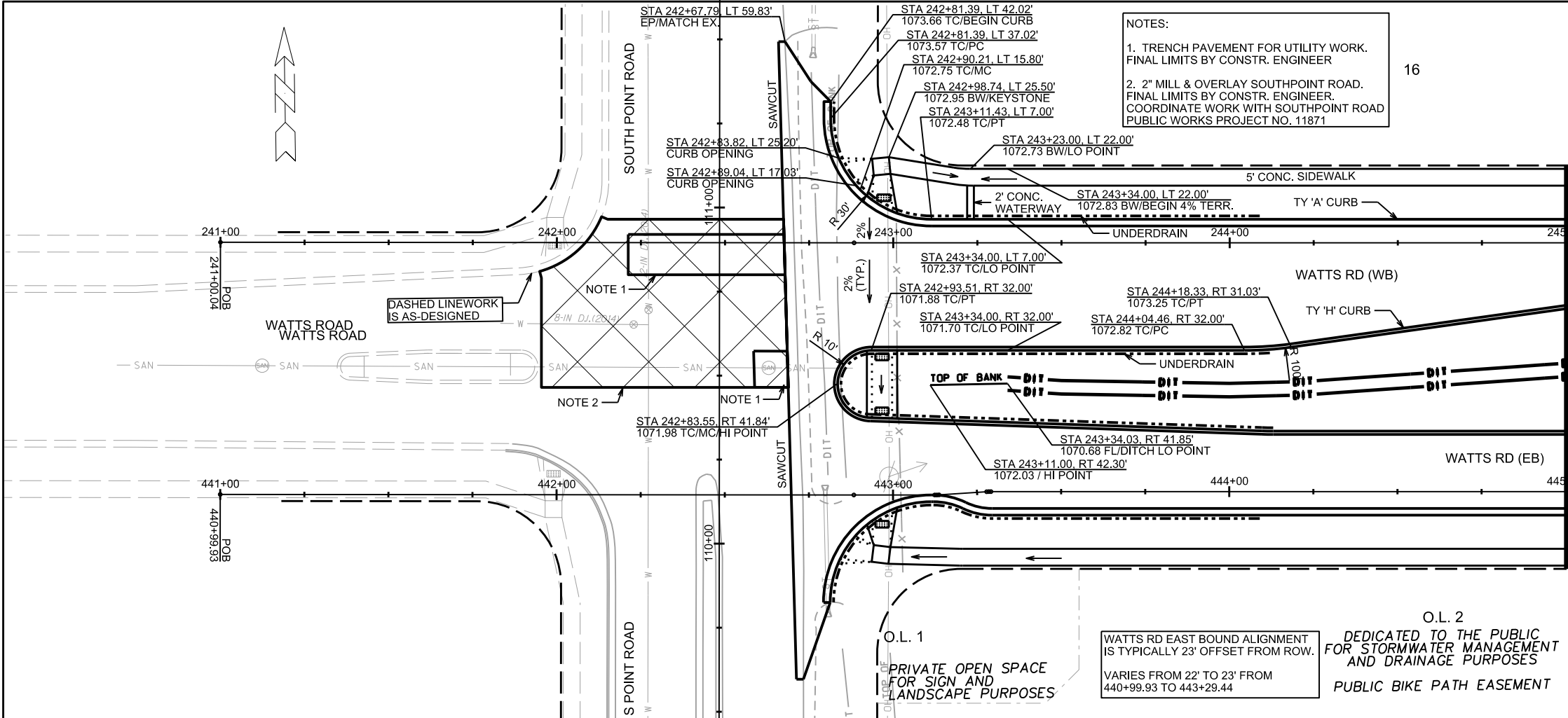
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTES:
1. TRENCH PAVEMENT FOR UTILITY WORK. FINAL LIMITS BY CONSTR. ENGINEER
2. 2" MILL & OVERLAY SOUTHPOINT ROAD. FINAL LIMITS BY CONSTR. ENGINEER. COORDINATE WORK WITH SOUTHPOINT ROAD PUBLIC WORKS PROJECT NO. 11871

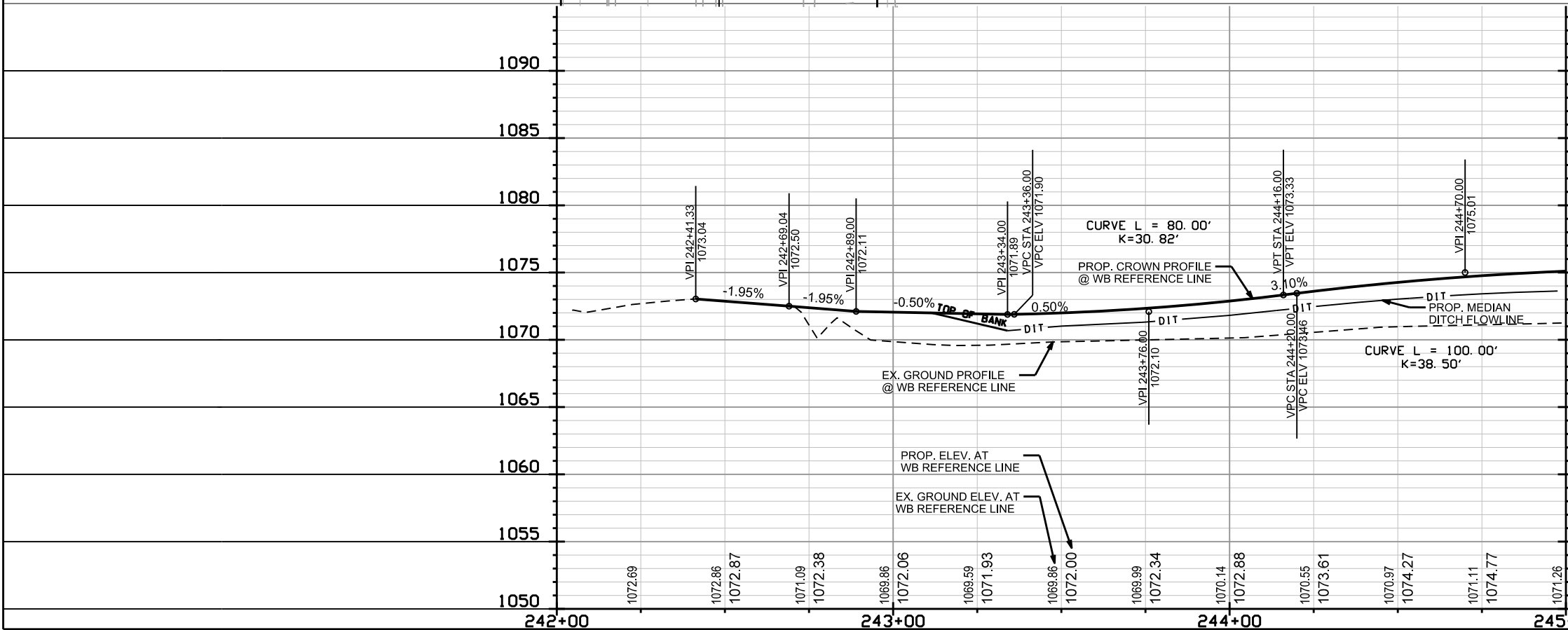
16



O.L. 1
PRIVATE OPEN SPACE FOR SIGN AND LANDSCAPE PURPOSES

O.L. 2
WATTS RD EAST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW. VARIES FROM 22' TO 23' FROM 440+99.93 TO 443+29.44

DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES
PUBLIC BIKE PATH EASEMENT



PLOT SCALE:

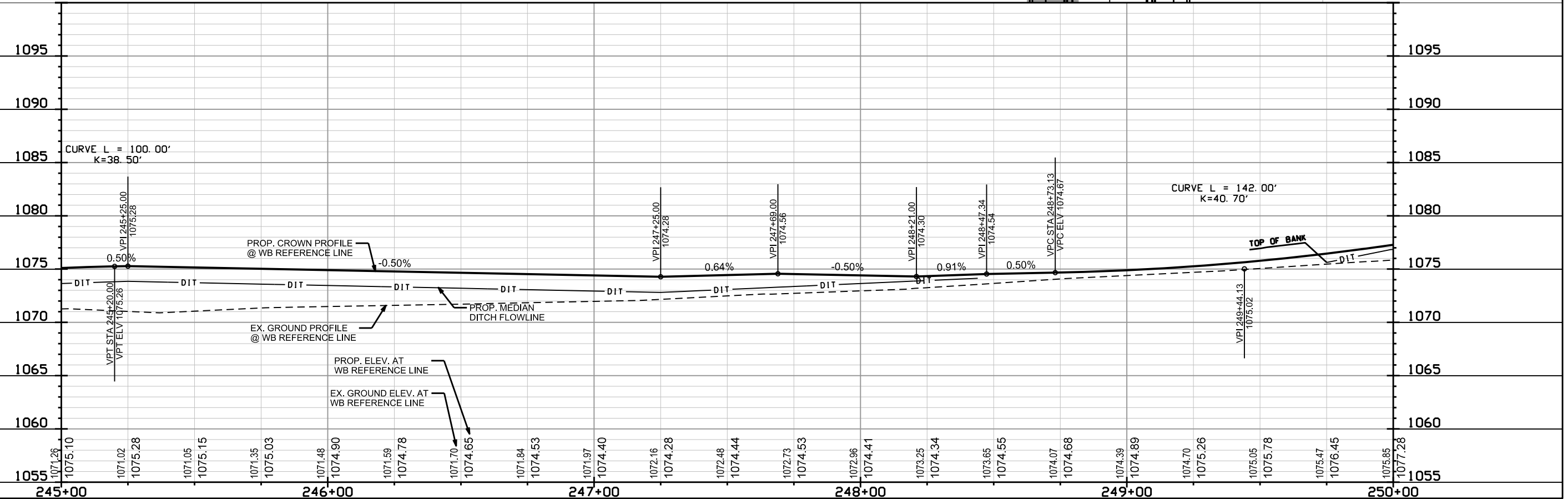
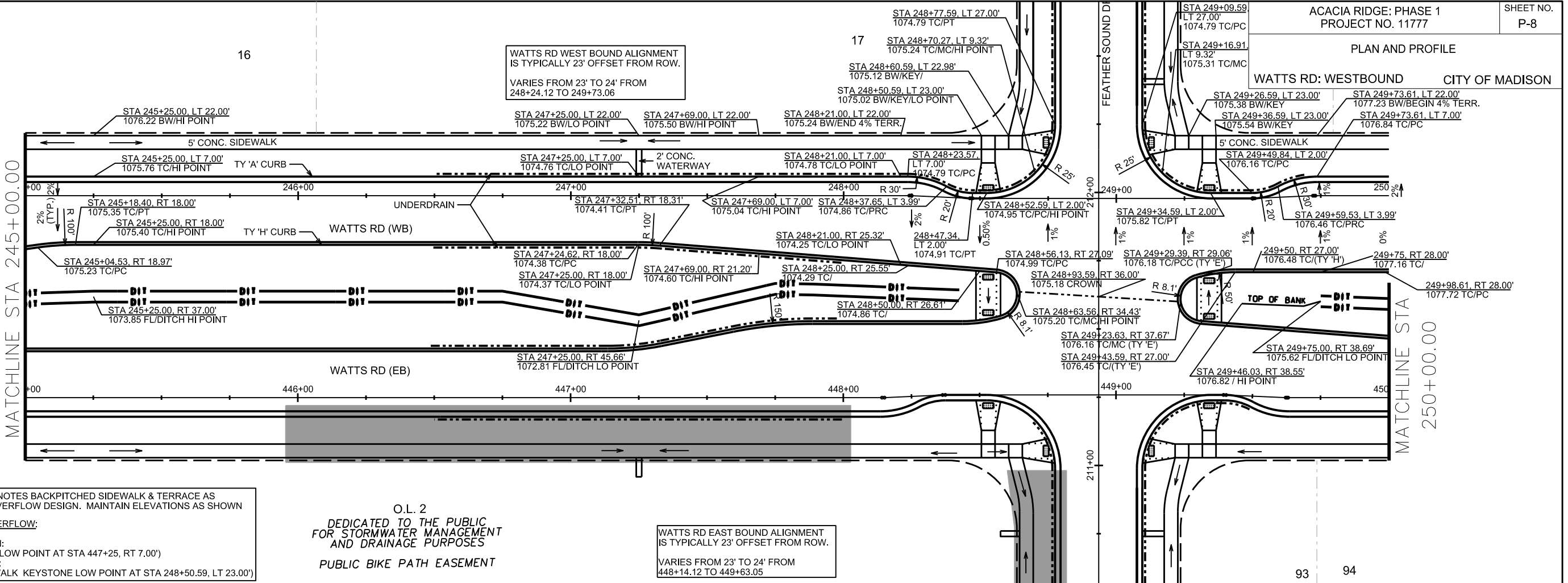
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WATTS RD: WESTBOUND CITY OF MADISON



PLOT SCALE:

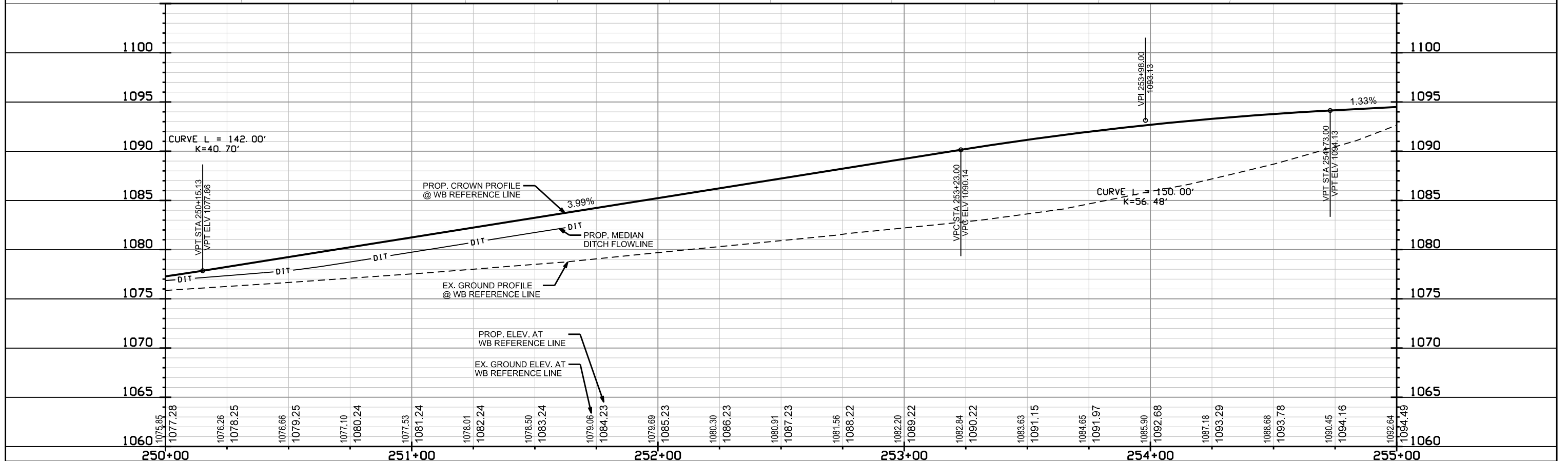
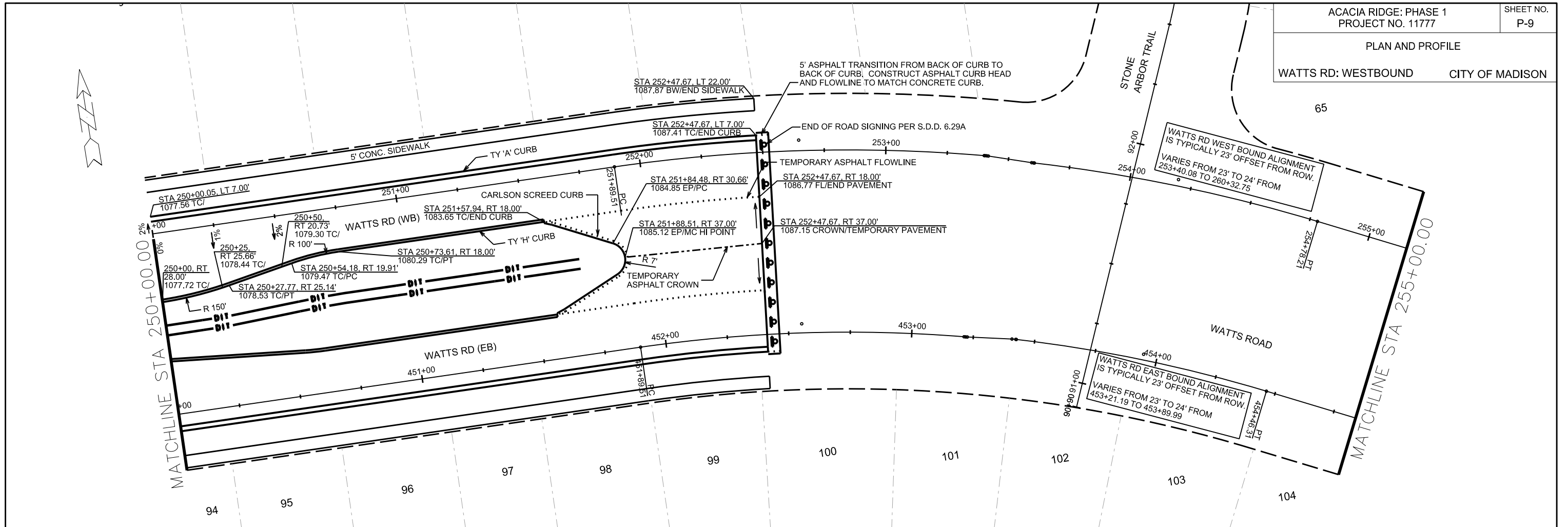
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WATTS RD: WESTBOUND CITY OF MADISON



PLOT SCALE:

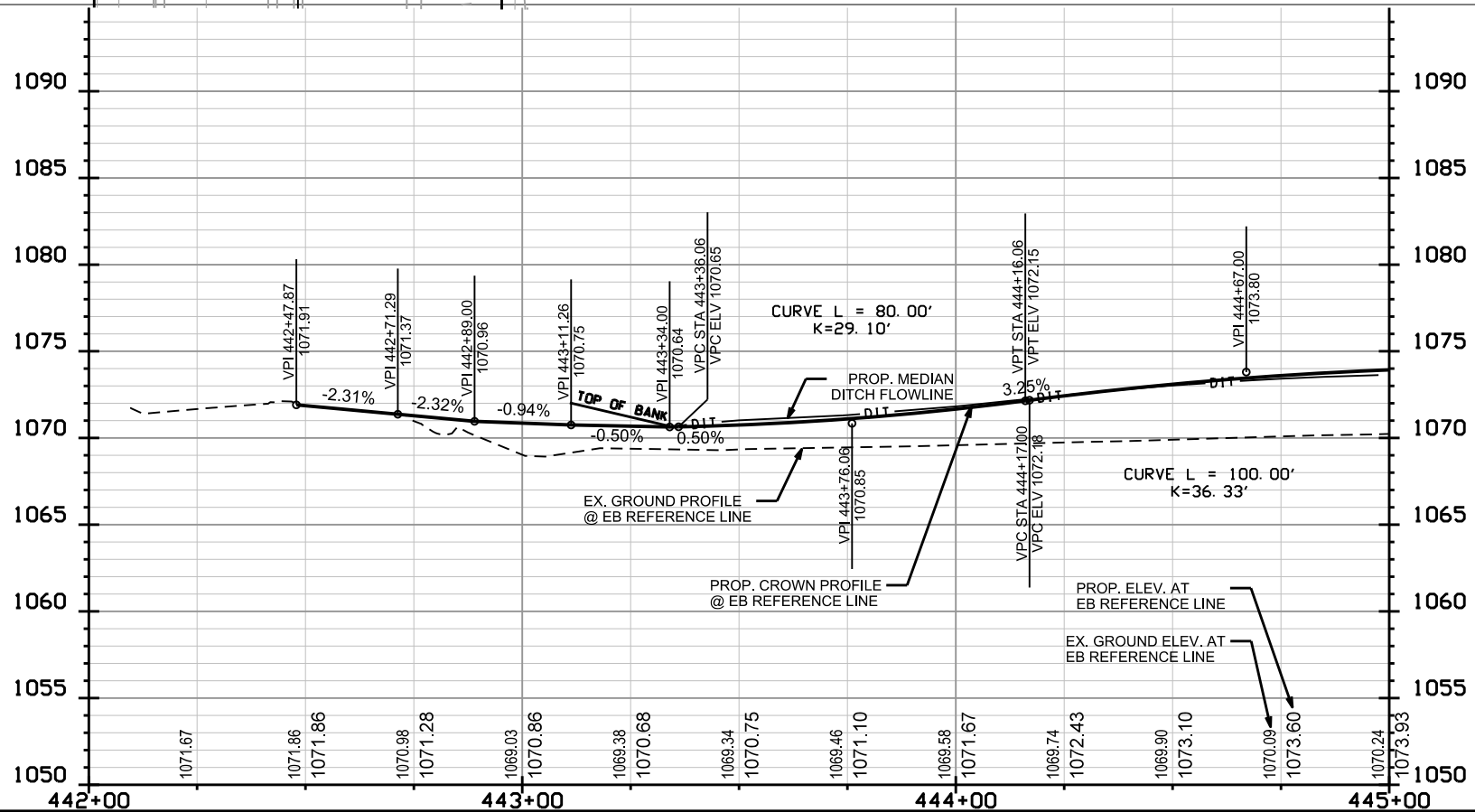
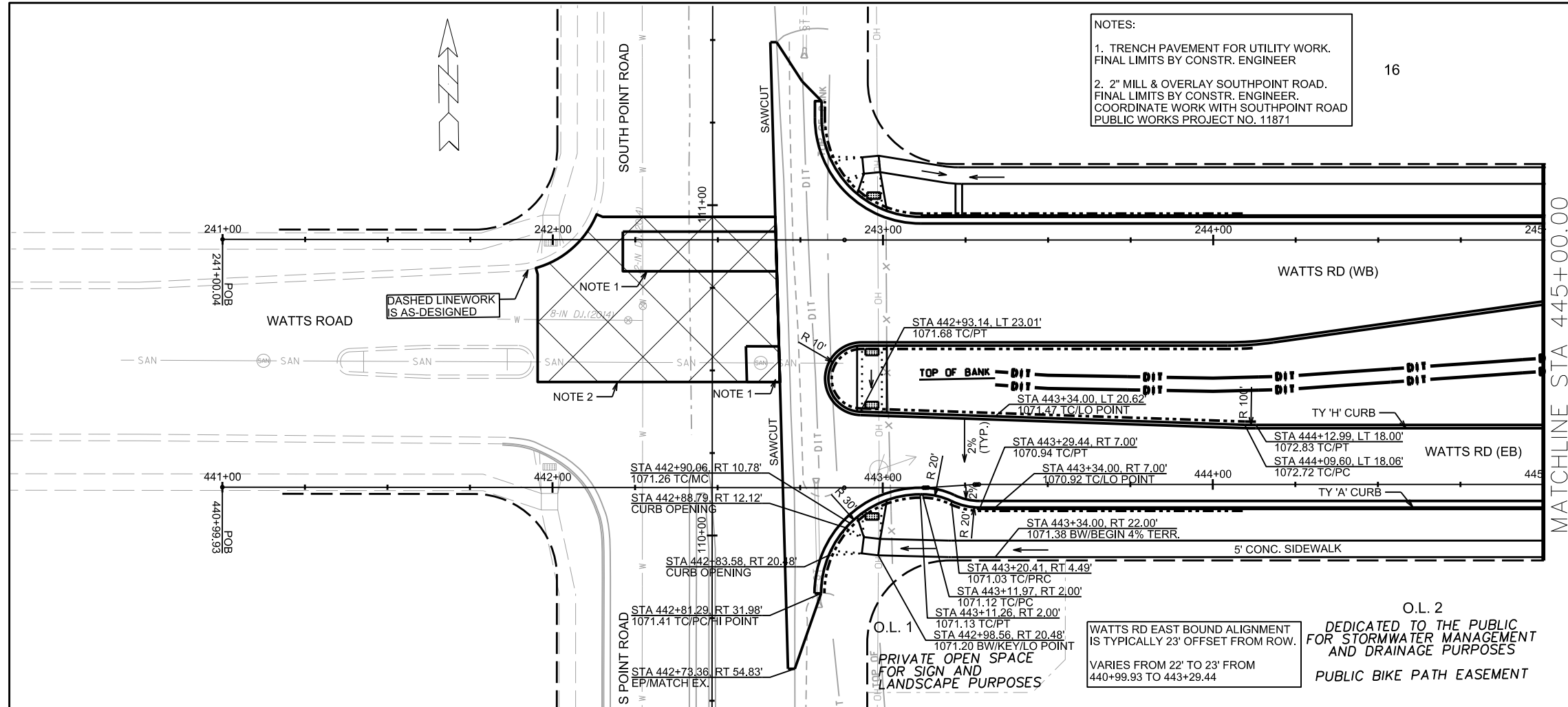
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTES:
1. TRENCH PAVEMENT FOR UTILITY WORK. FINAL LIMITS BY CONSTR. ENGINEER
2. 2" MILL & OVERLAY SOUTHPOINT ROAD. FINAL LIMITS BY CONSTR. ENGINEER. COORDINATE WORK WITH SOUTHPOINT ROAD PUBLIC WORKS PROJECT NO. 11871

16



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

16

17

WATTS RD WEST BOUND ALIGNMENT
IS TYPICALLY 23' OFFSET FROM ROW.
VARIES FROM 23' TO 24' FROM
248+24.12 TO 249+73.06

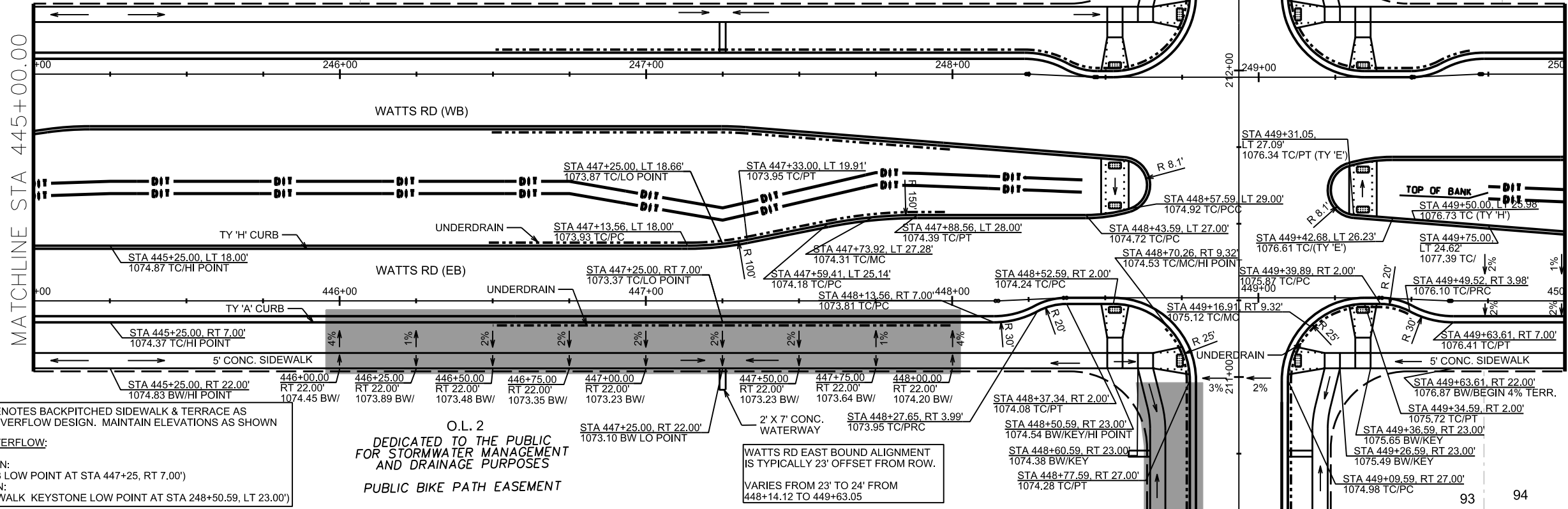
WATTS RD EAST BOUND ALIGNMENT
IS TYPICALLY 23' OFFSET FROM ROW.
VARIES FROM 23' TO 24' FROM
448+14.12 TO 449+63.05

O.L. 2
DEDICATED TO THE PUBLIC
FOR STORMWATER MANAGEMENT
AND DRAINAGE PURPOSES
PUBLIC BIKE PATH EASEMENT

■ = SHADED AREA DENOTES BACKPITCHED SIDEWALK & TERRACE AS NECESSARY FOR OVERFLOW DESIGN. MAINTAIN ELEVATIONS AS SHOWN

WATTS ROAD TO O.L. 2 OVERFLOW:

MAINTAIN MAX ELEVATION:
1073.37 (WATTS RD CURB LOW POINT AT STA 447+25, RT 7.00')
MAINTAIN MIN ELEVATION:
1075.02 (WATTS RD SIDEWALK KEYSTONE LOW POINT AT STA 248+50.59, LT 23.00')



1095

1090

1085

1080

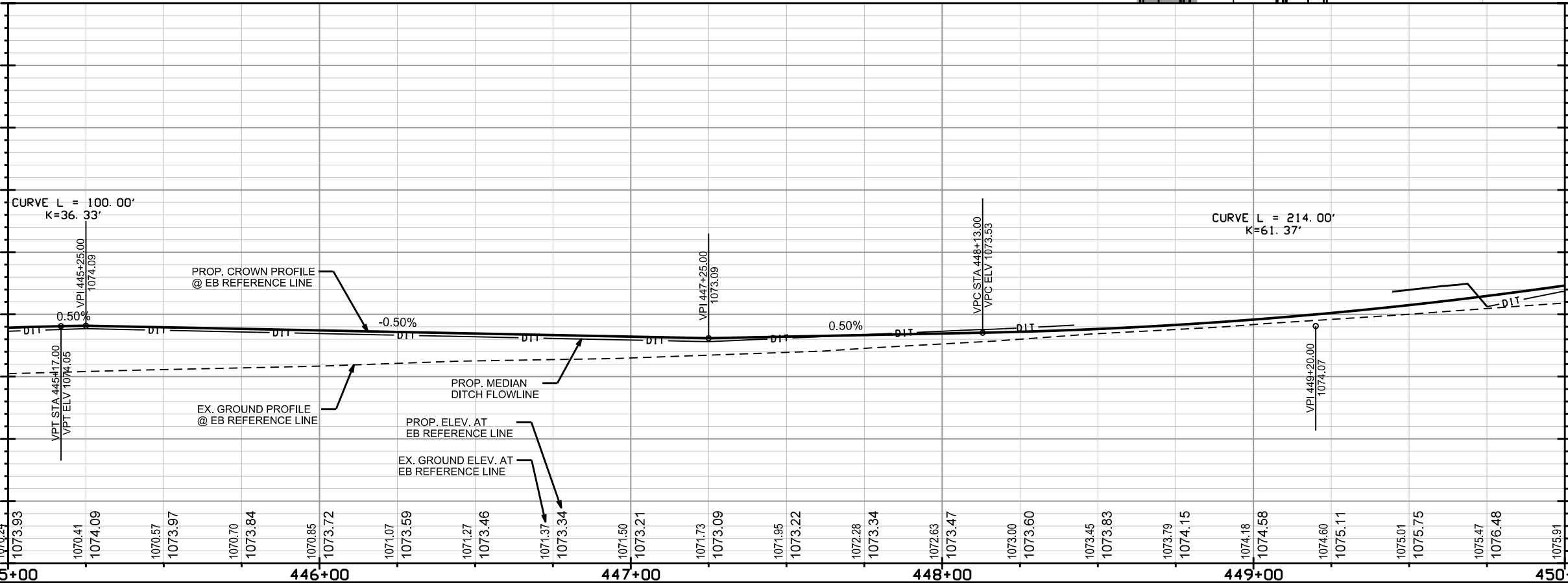
1075

1070

1065

1060

1055



1095

1090

1085

1080

1075

1070

1065

1060

1055

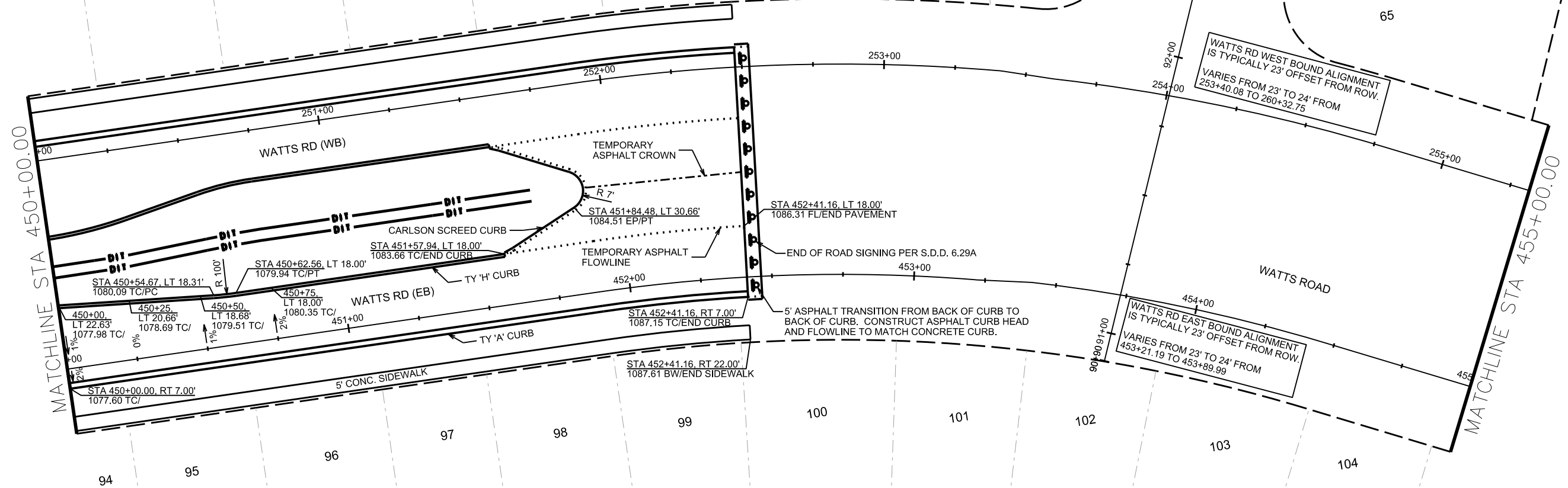
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

65



WATTS RD WEST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW. VARIES FROM 23' TO 24' FROM 253+40.08 TO 260+32.75

WATTS RD EAST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW. VARIES FROM 23' TO 24' FROM 453+21.19 TO 453+89.99

MATCHLINE STA 450+00.00

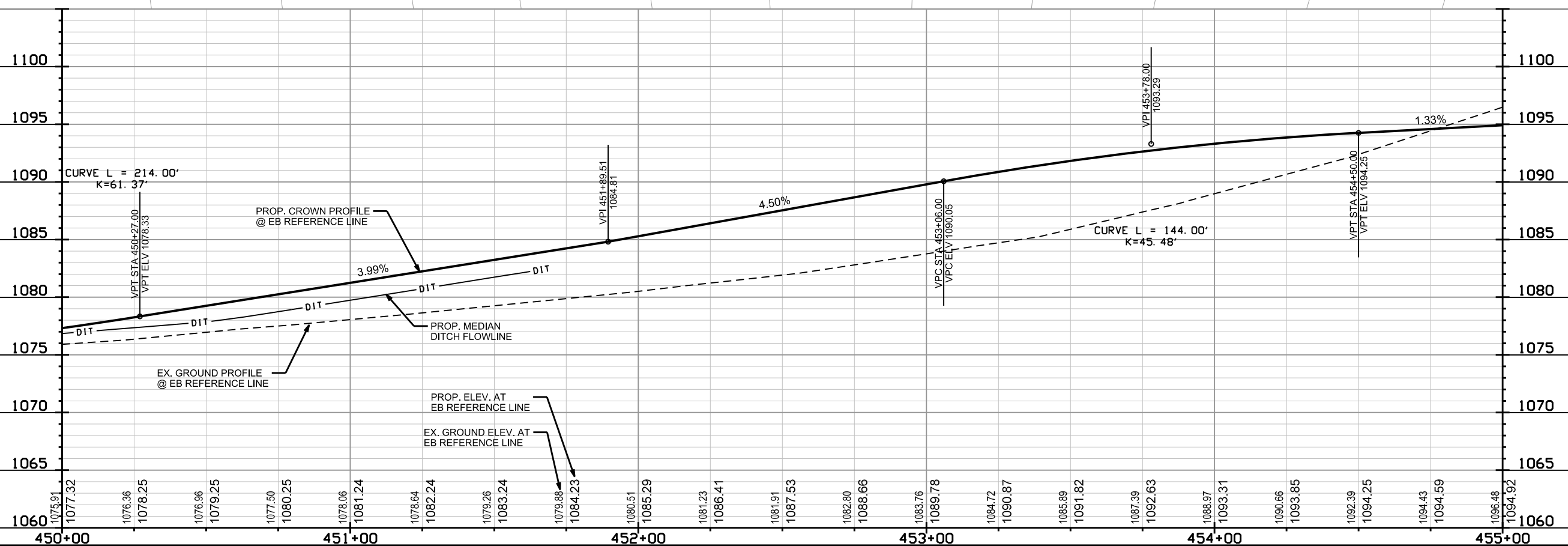
MATCHLINE STA 455+00.00

PLOT SCALE:

PLOT NAME:

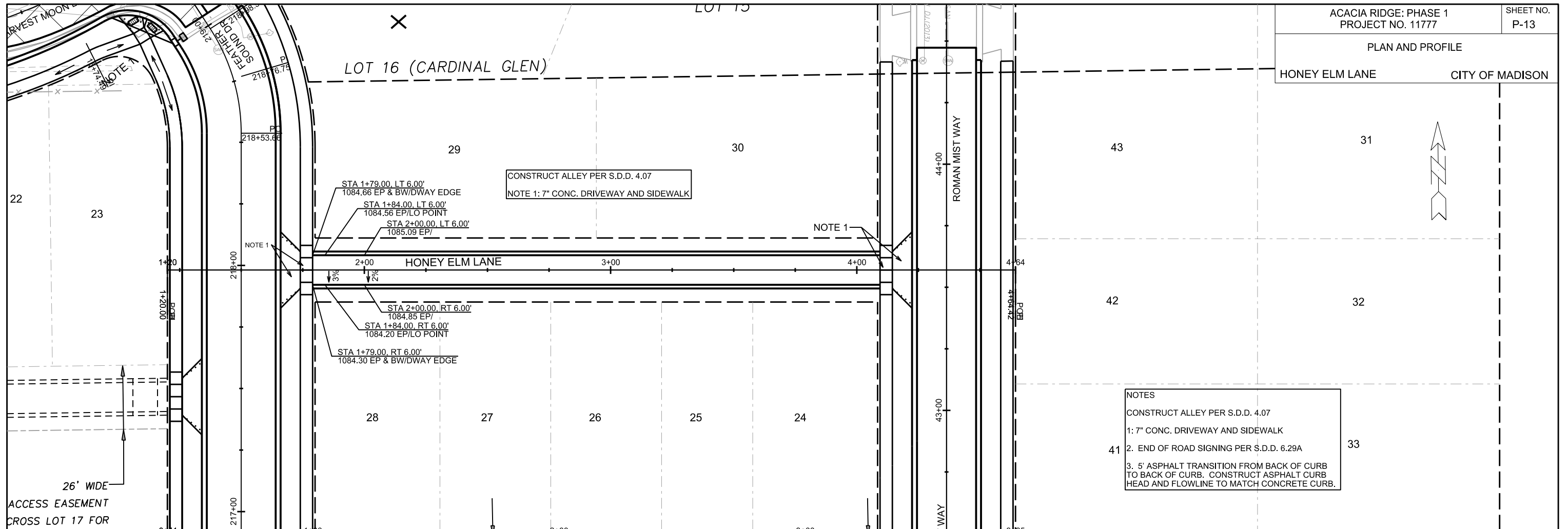
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

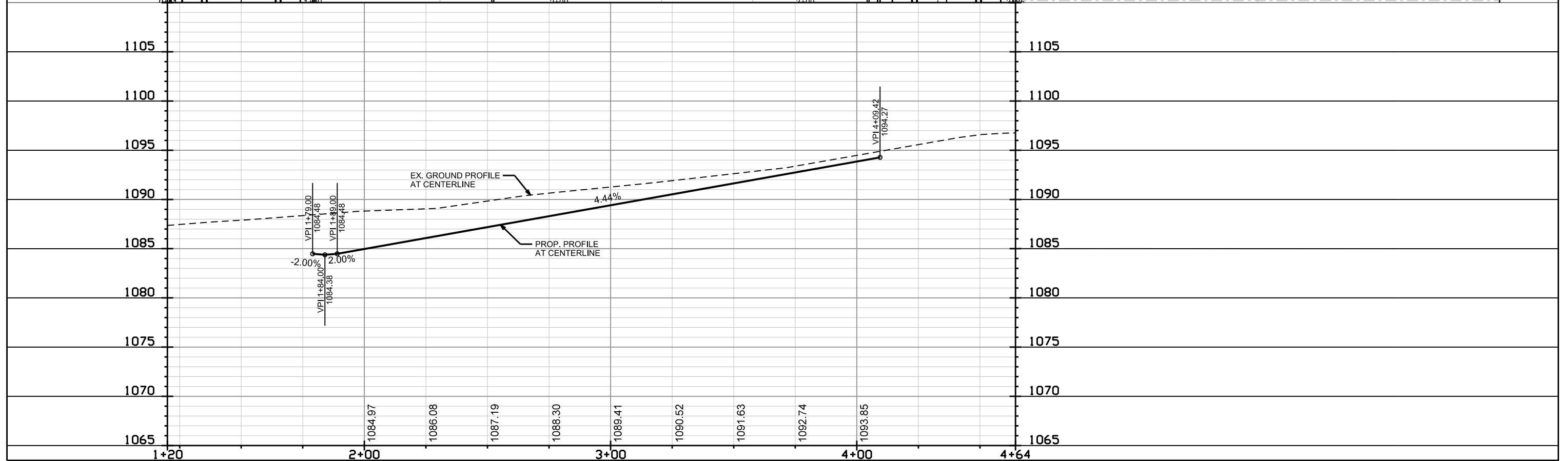


PLAN AND PROFILE

HONEY ELM LANE CITY OF MADISON



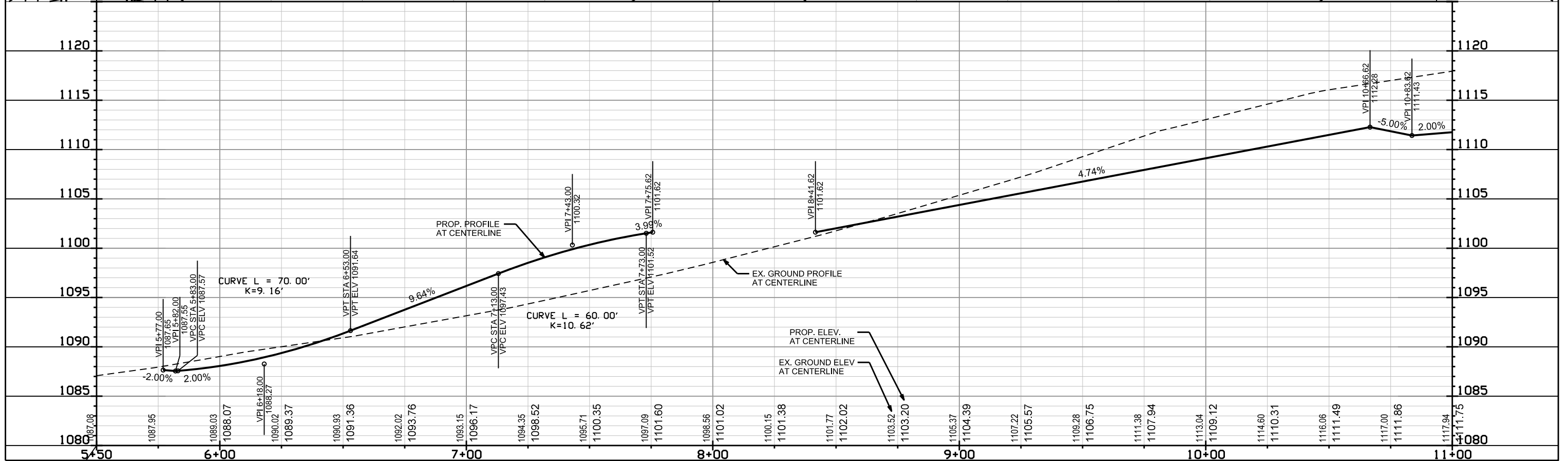
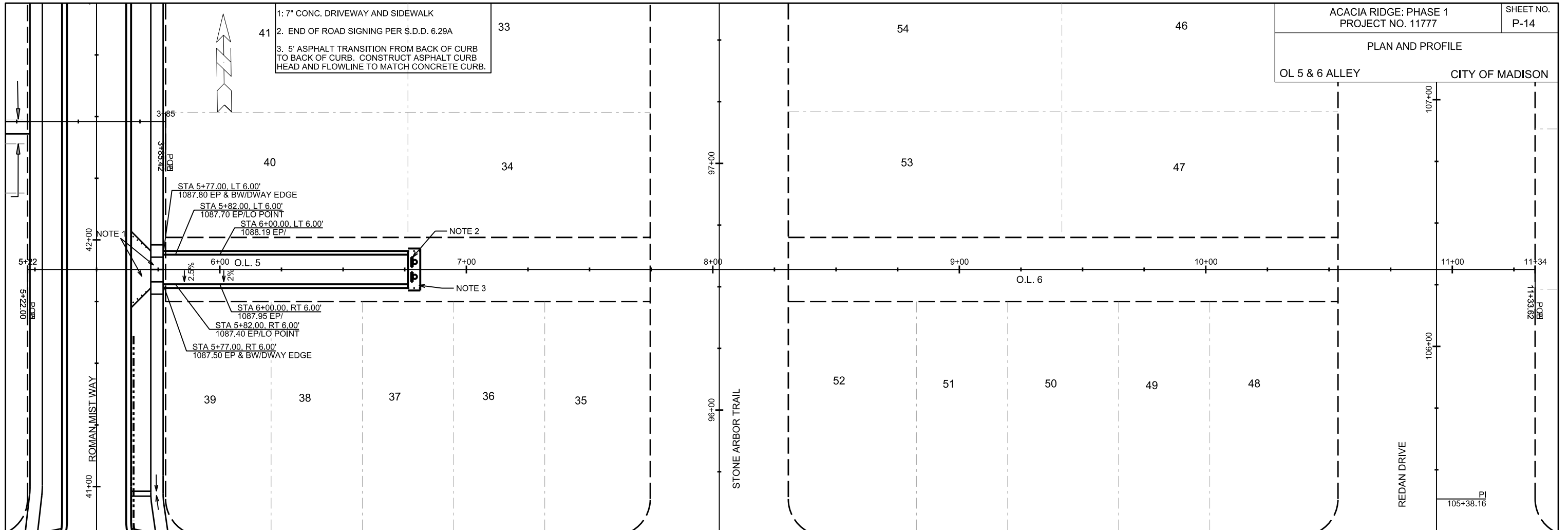
NOTES
 CONSTRUCT ALLEY PER S.D.D. 4.07
 1: 7" CONC. DRIVEWAY AND SIDEWALK
 2: END OF ROAD SIGNING PER S.D.D. 6.29A
 3: 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



PLAN AND PROFILE

OL 5 & 6 ALLEY

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

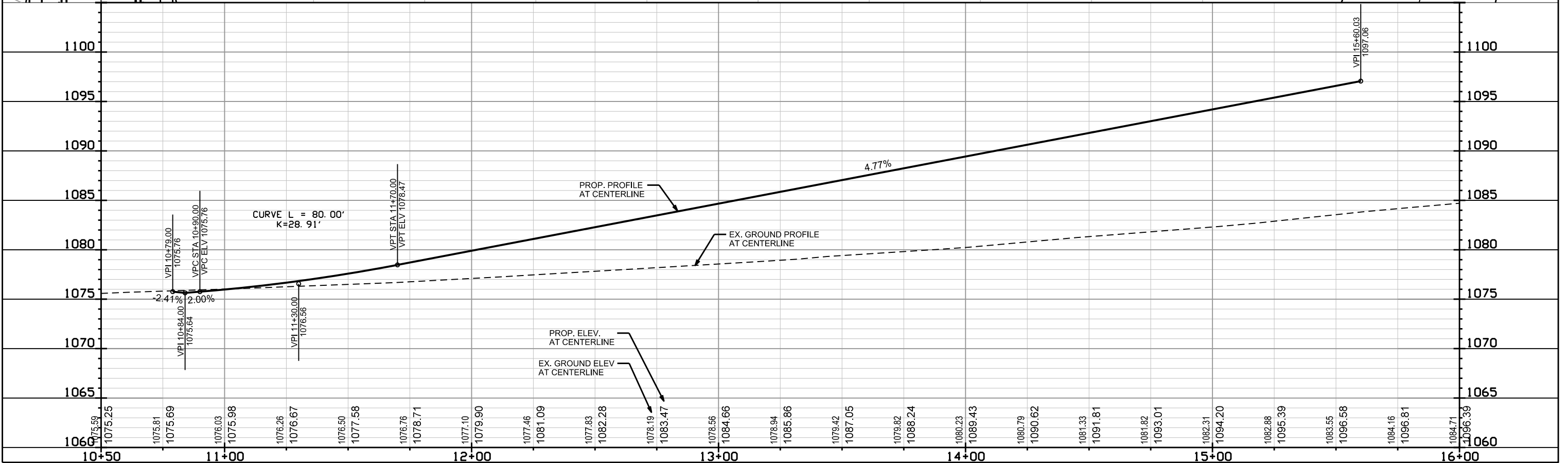
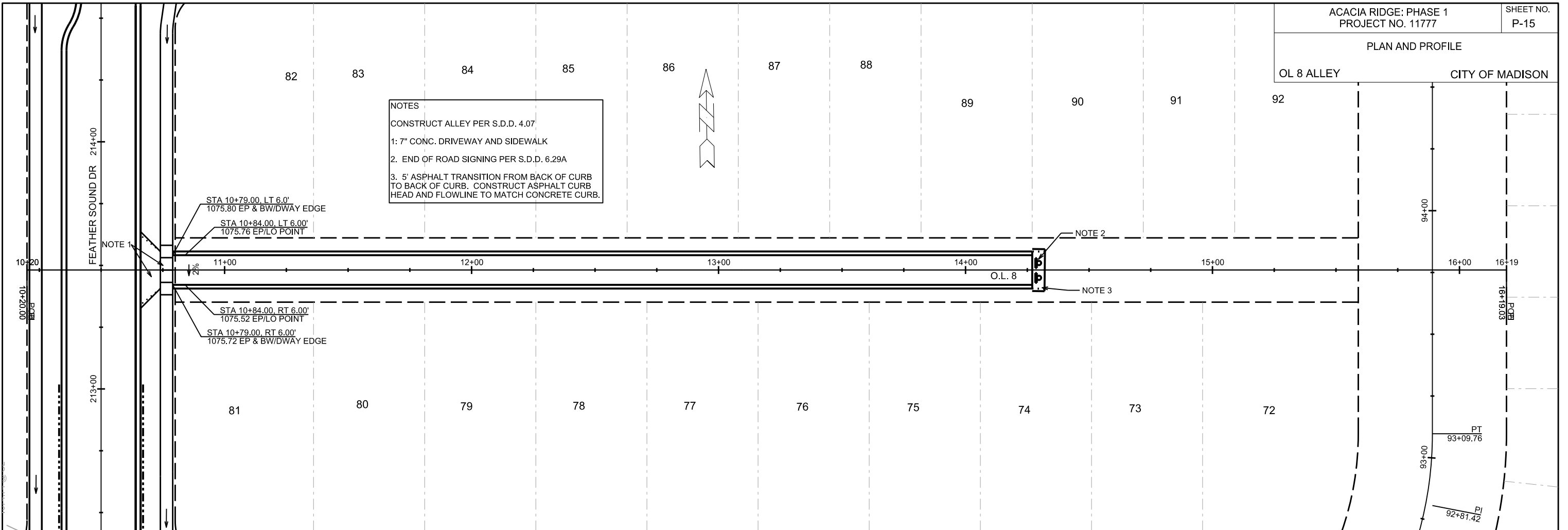
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OL 8 ALLEY

CITY OF MADISON

NOTES
 1. CONSTRUCT ALLEY PER S.D.D. 4.07
 2. 7" CONC. DRIVEWAY AND SIDEWALK
 3. END OF ROAD SIGNING PER S.D.D. 6.29A
 4. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



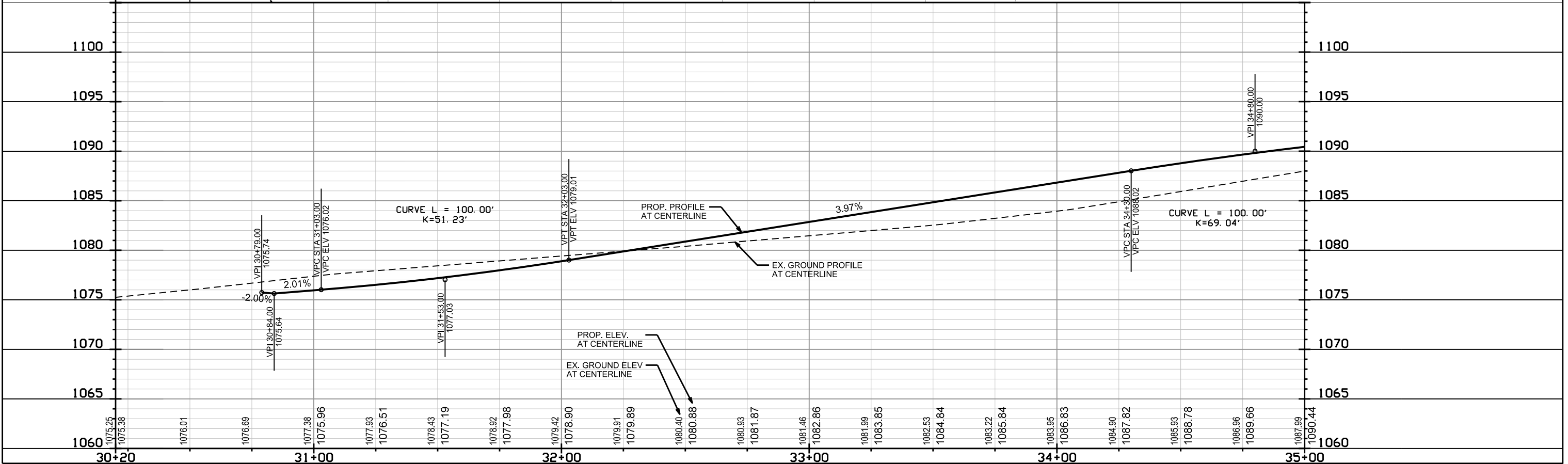
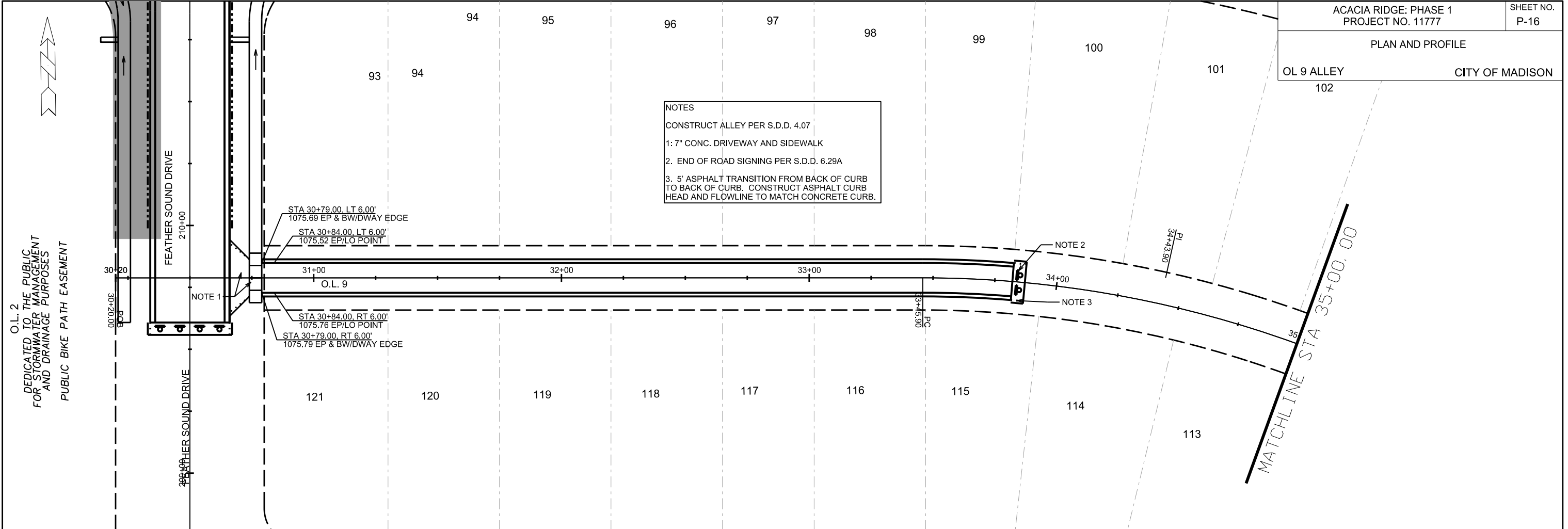
PLOT SCALE:

PLOT NAME:

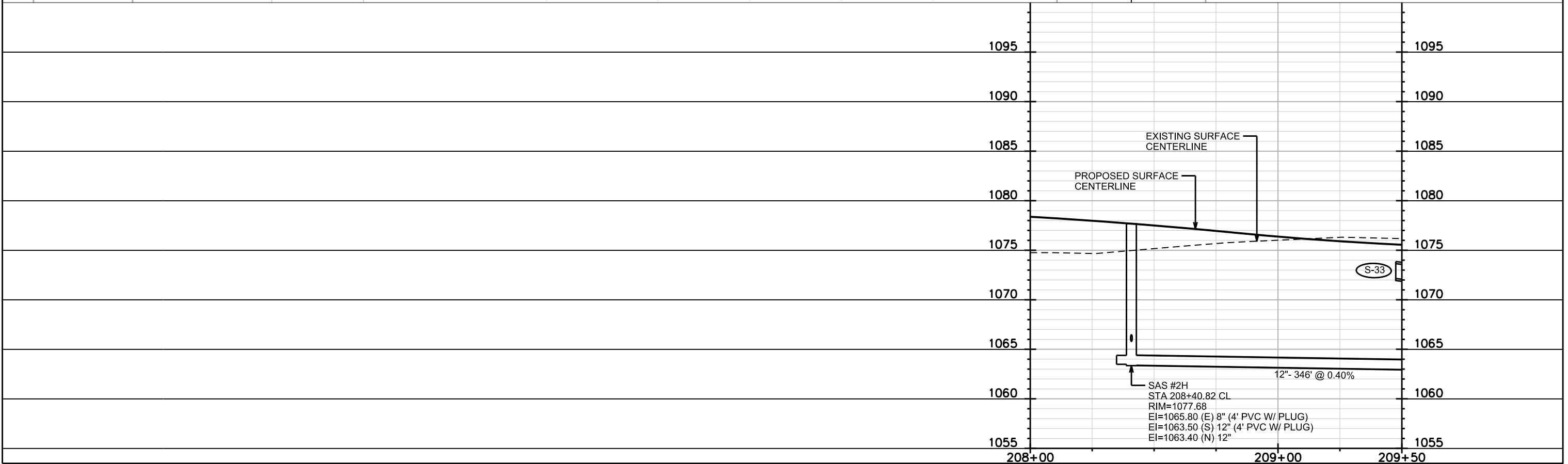
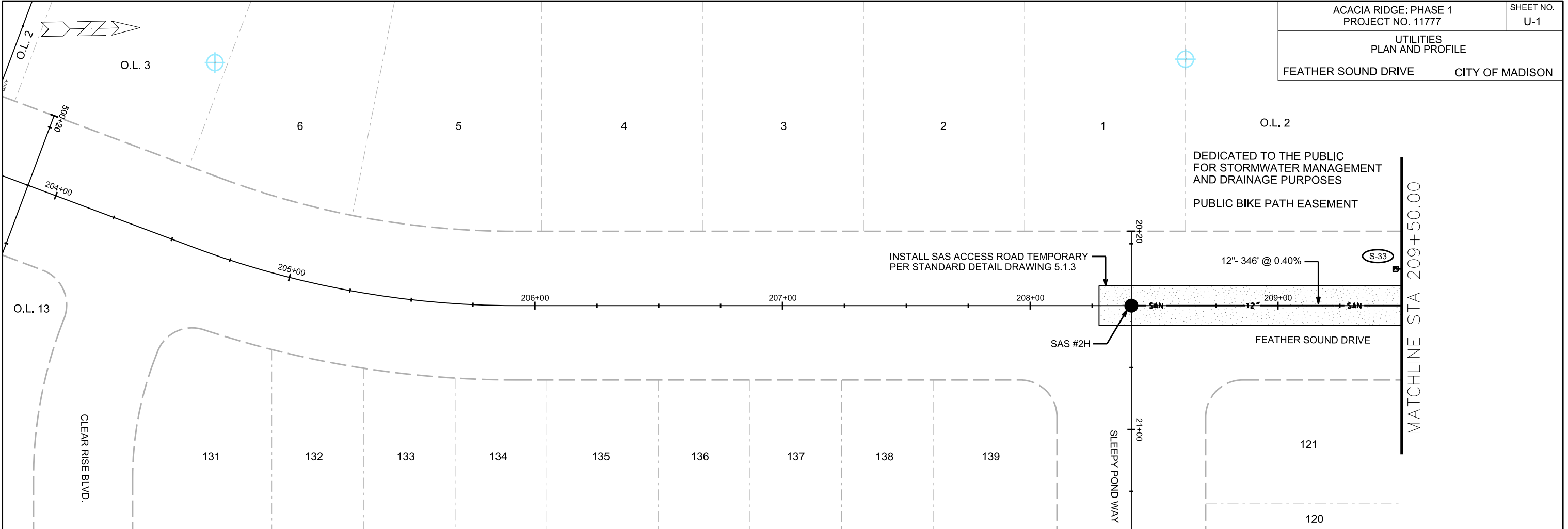
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

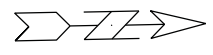
NOTES
 CONSTRUCT ALLEY PER S.D.D. 4.07
 1: 7" CONC. DRIVEWAY AND SIDEWALK
 2: END OF ROAD SIGNING PER S.D.D. 6.29A
 3: 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



PLOT SCALE: 1"=40'
 PLOT NAME: OL 9 ALLEY
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



O.L. 2
DEDICATED TO THE PUBLIC
FOR STORMWATER MANAGEMENT
AND DRAINAGE PURPOSES
PUBLIC BIKE PATH EASEMENT

REVISED 6/21/19 EEA

Added private storm
connection to S-15

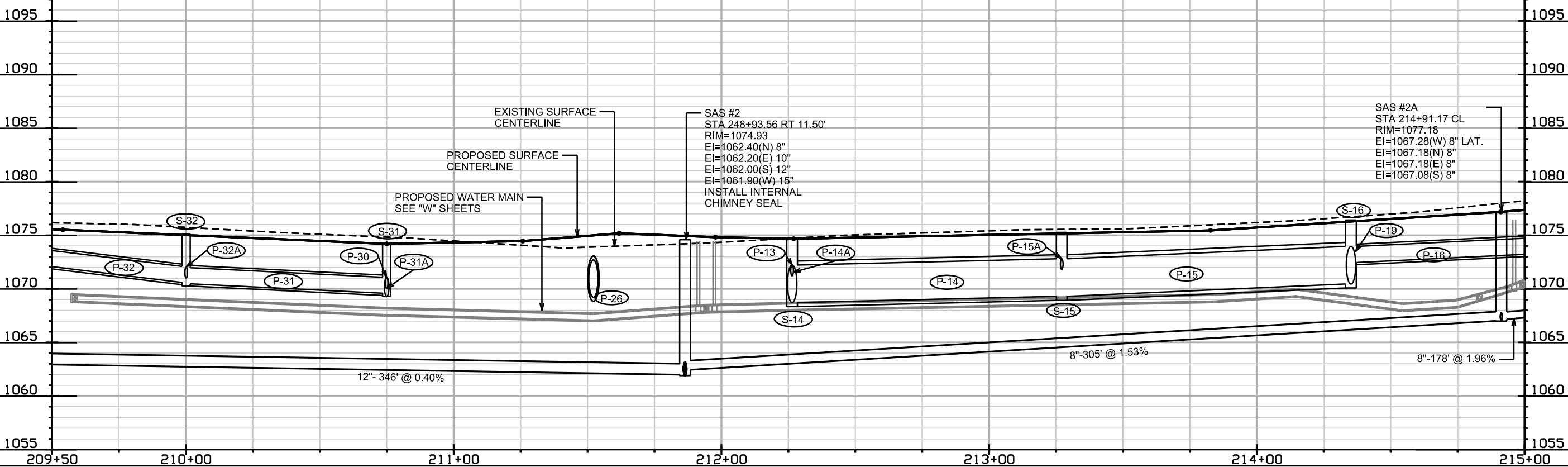
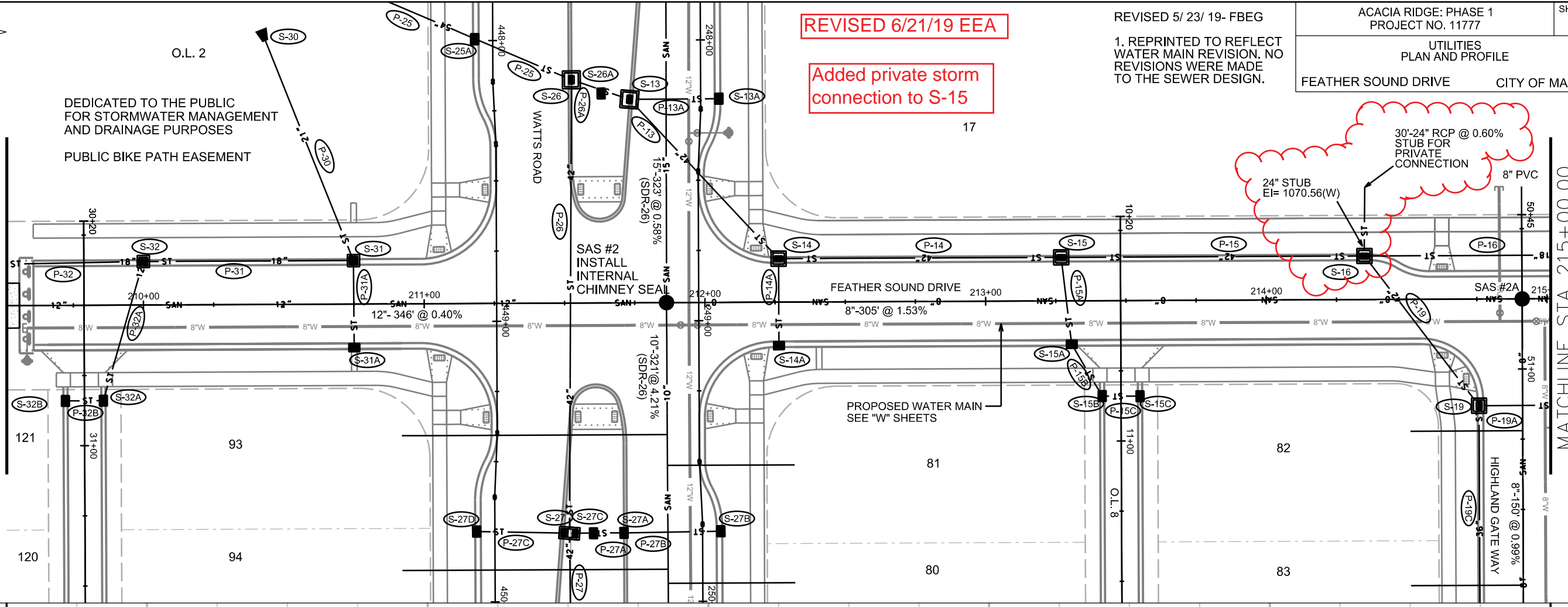
REVISED 5/ 23/ 19- FBEG
1. REPRINTED TO REFLECT
WATER MAIN REVISION. NO
REVISIONS WERE MADE
TO THE SEWER DESIGN.

ACACIA RIDGE: PHASE 1
PROJECT NO. 11777
UTILITIES
PLAN AND PROFILE
FEATHER SOUND DRIVE CITY OF MADISON

SHEET NO.
U-2

MATCHLINE STA 209+50.00

MATCHLINE STA 215+00.00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE

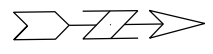
FEATHER SOUND DRIVE CITY OF MADISON

0708-281-0709-9
PHILLIPS, BRENDA K
9370 HARVEST MOON LN

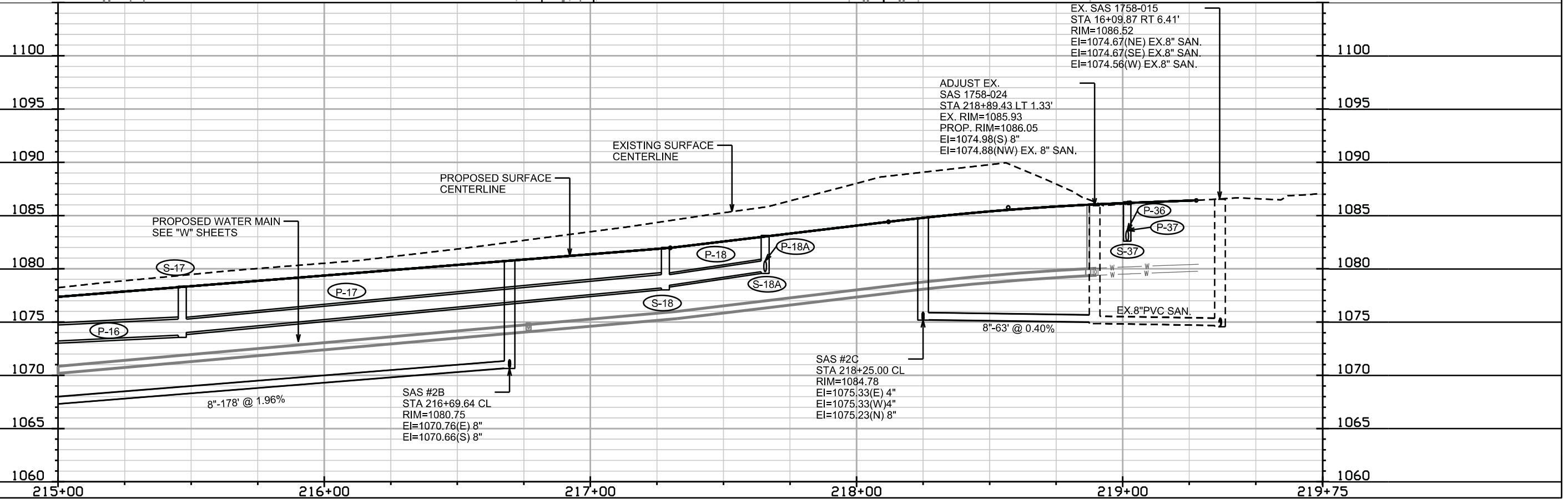
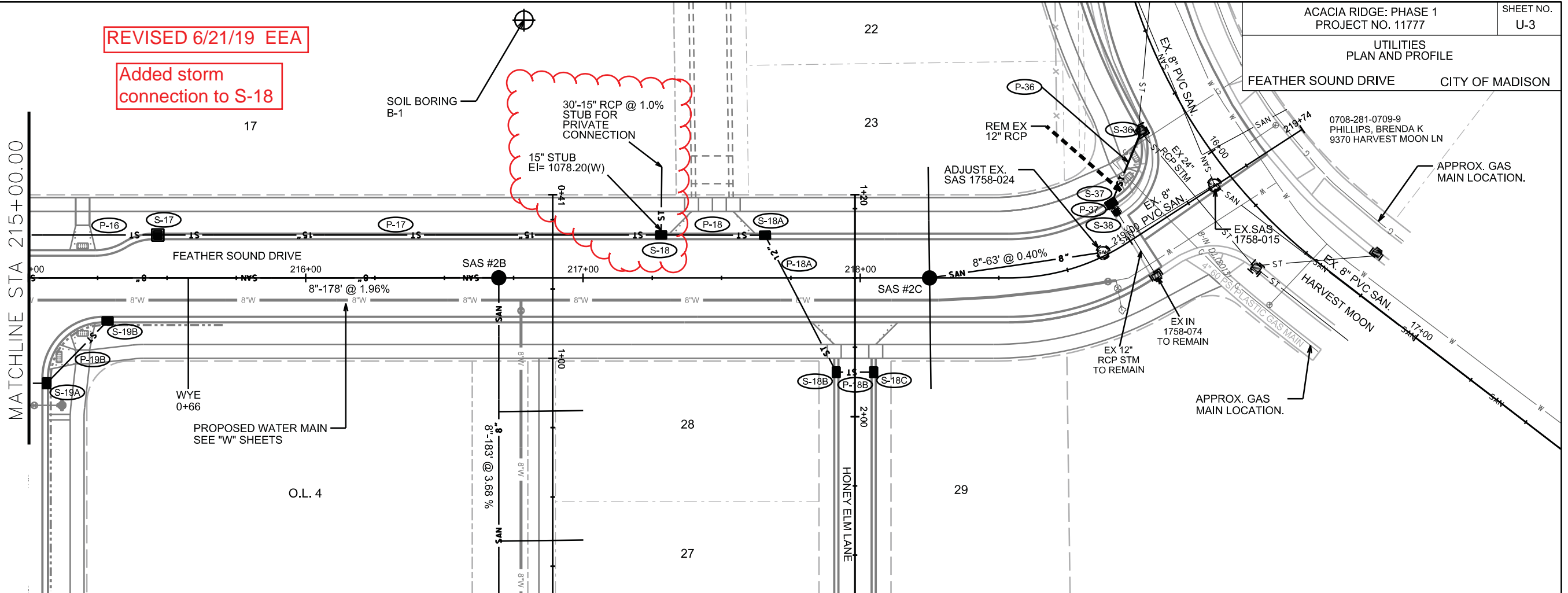
APPROX. GAS
MAIN LOCATION.

REVISED 6/21/19 EEA

Added storm
connection to S-18



MATCHLINE STA 215+00.00



EX. SAS 1758-015
STA 16+09.87 RT 6.41'
RIM=1086.52
EI=1074.67(N.E) EX.8" SAN.
EI=1074.67(SE) EX.8" SAN.
EI=1074.56(W) EX.8" SAN.

ADJUST EX.
SAS 1758-024
STA 218+89.43 LT 1.33'
EX. RIM=1085.93
PROP. RIM=1086.05
EI=1074.98(S) 8"
EI=1074.88(NW) EX. 8" SAN.

SAS #2C
STA 218+25.00 CL
RIM=1084.78
EI=1075.33(E) 4"
EI=1075.33(W) 4"
EI=1075.23(N) 8"

SAS #2B
STA 216+69.64 CL
RIM=1080.75
EI=1070.76(E) 8"
EI=1070.66(S) 8"

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE

FEATHER SOUND DRIVE CITY OF MADISON

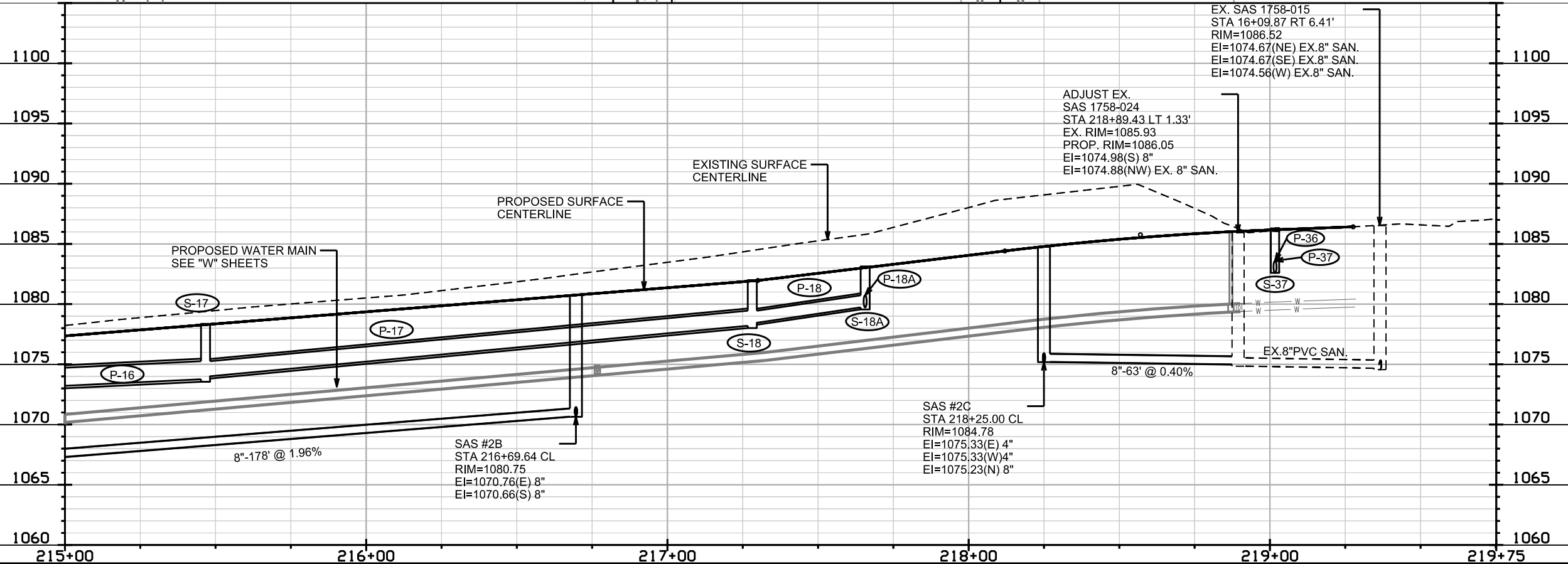
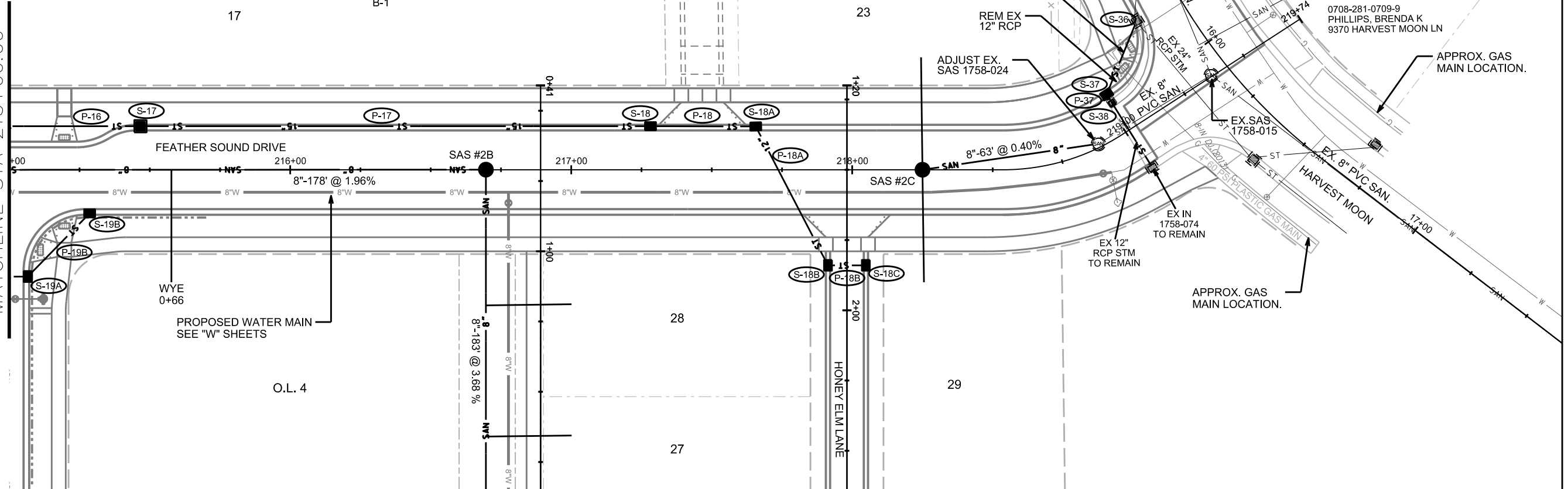
0708-281-0709-9
PHILLIPS, BRENDA K
9370 HARVEST MOON LN

APPROX. GAS
MAIN LOCATION.



SOIL BORING
B-1

MATCHLINE STA 215+00.00



EX. SAS 1758-015
STA 16+09.87 RT 6.41'
RIM=1086.52
EI=1074.67(N) EX. 8\"/>

ADJUST EX.
SAS 1758-024
STA 218+89.43 LT 1.33'
EX. RIM=1085.93
PROP. RIM=1086.05
EI=1074.98(S) 8\"/>

SAS #2C
STA 218+25.00 CL
RIM=1084.78
EI=1075.33(E) 4\"/>

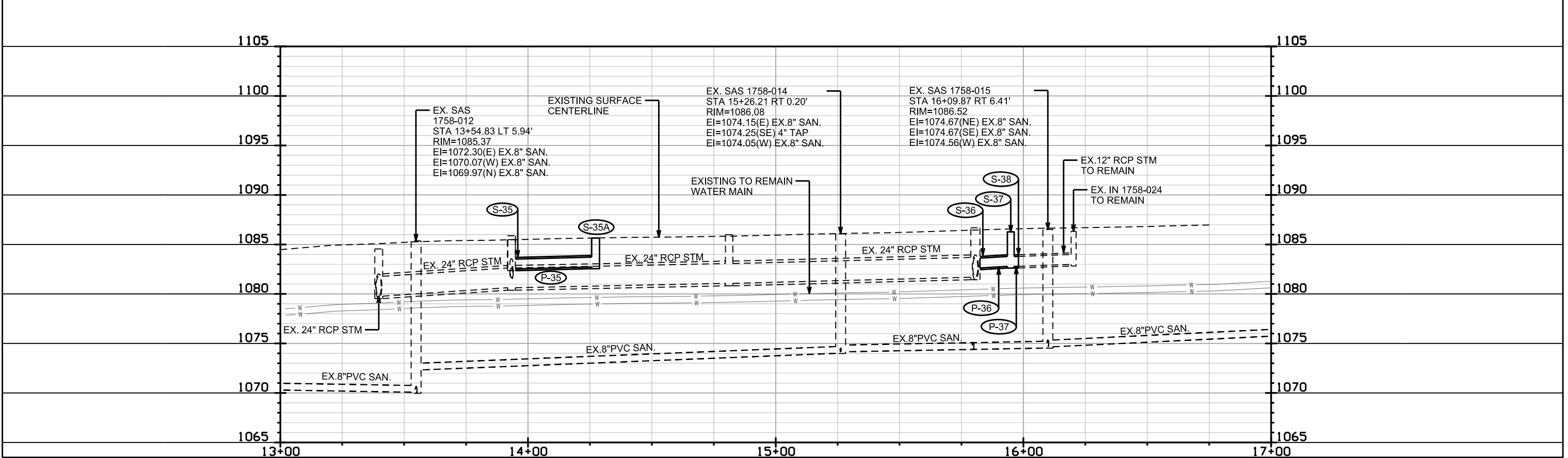
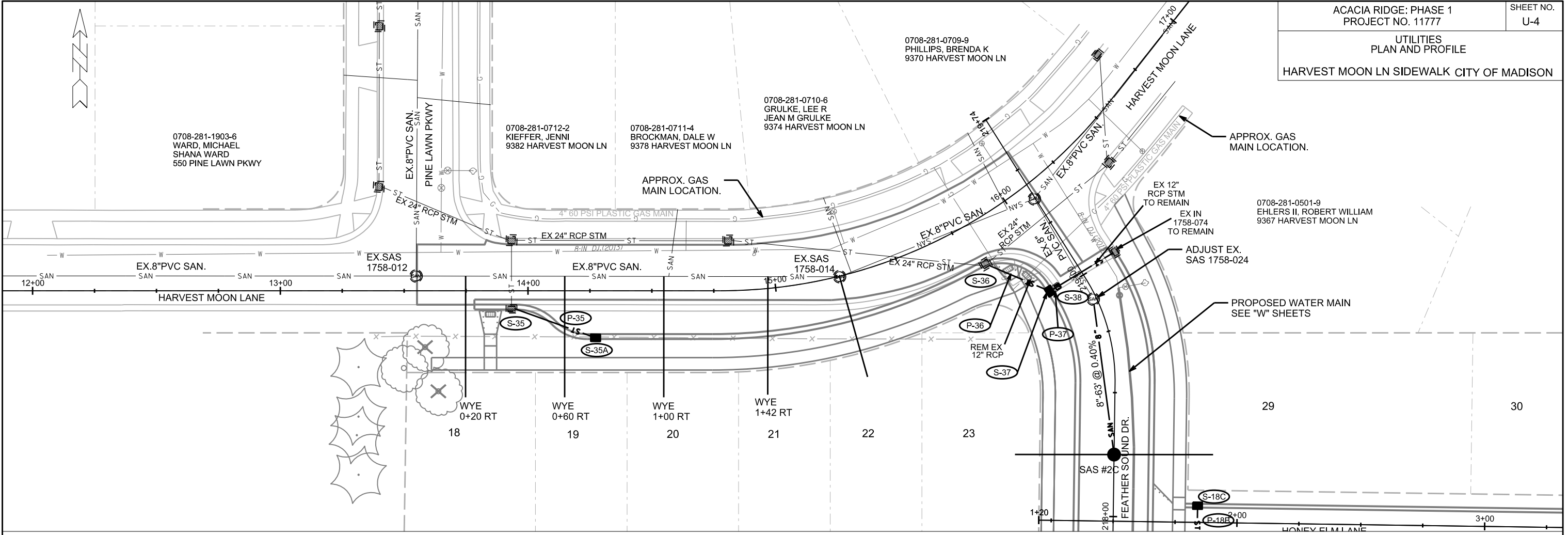
SAS #2B
STA 216+69.64 CL
RIM=1080.75
EI=1070.76(E) 8\"/>

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

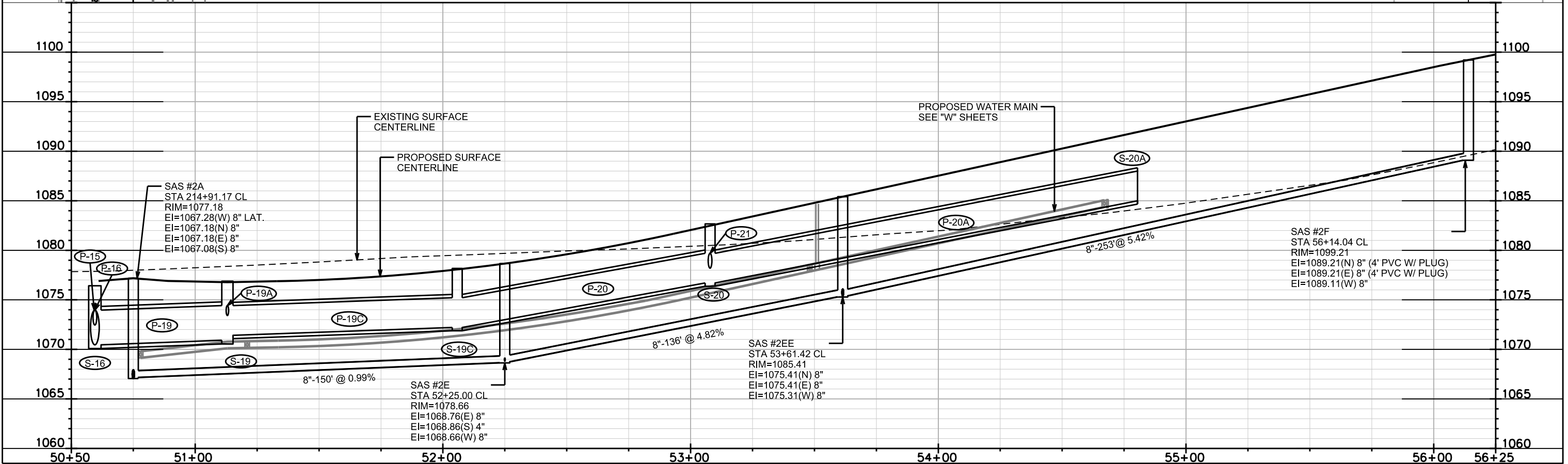
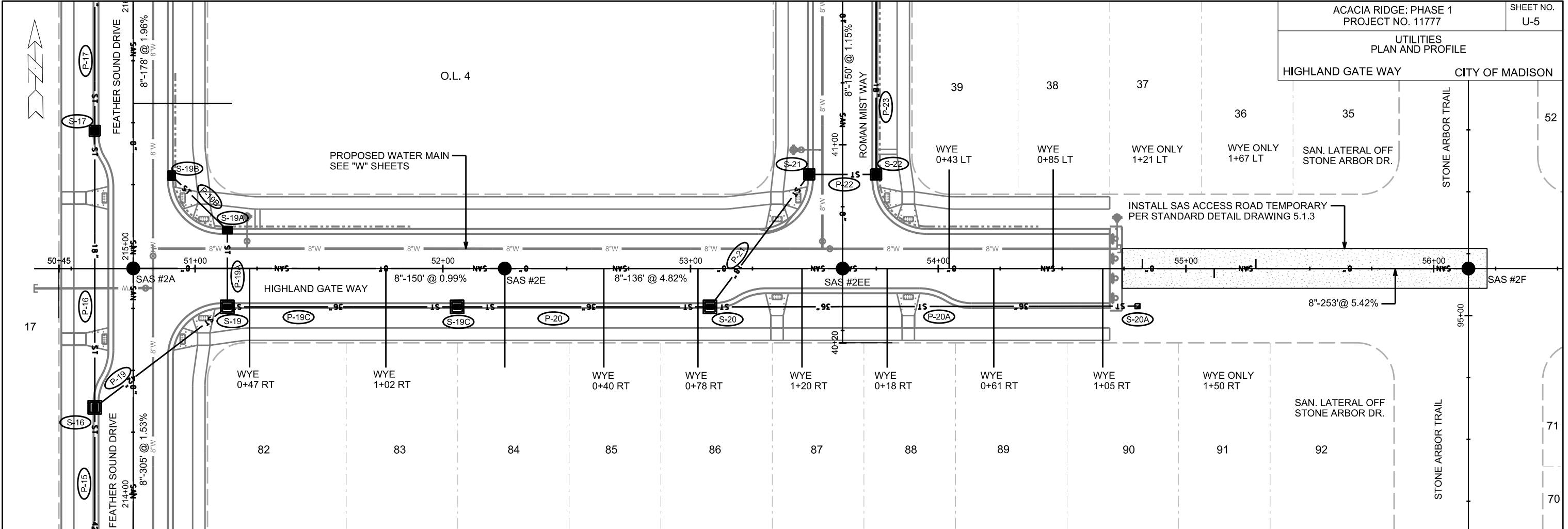


PLOT SCALE:

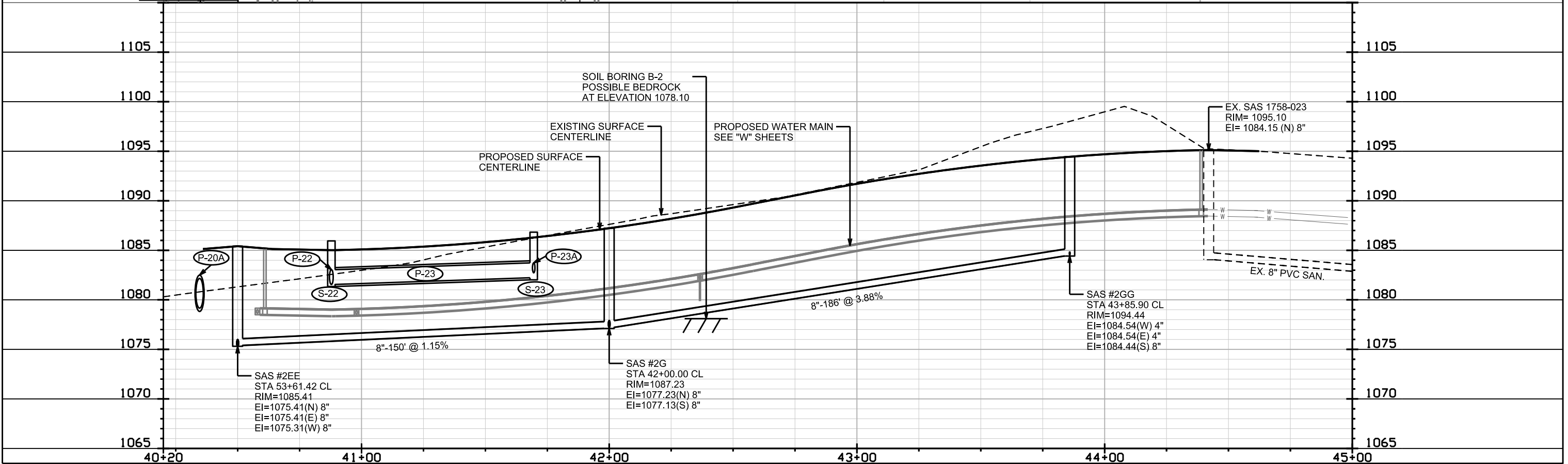
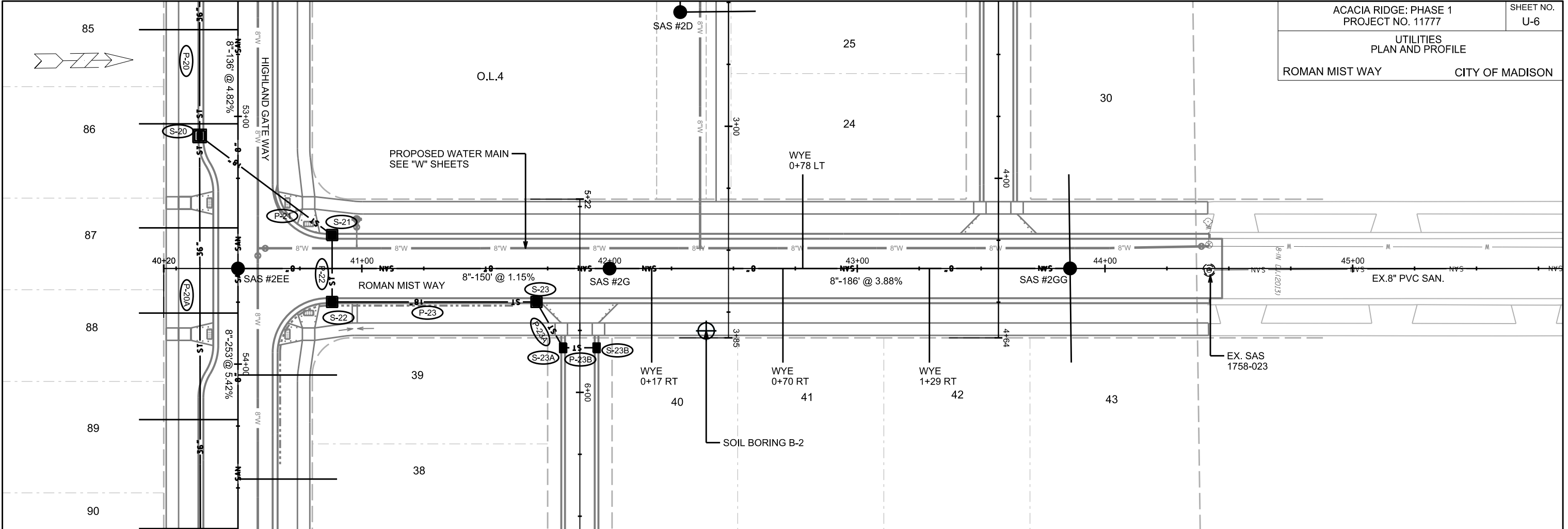
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

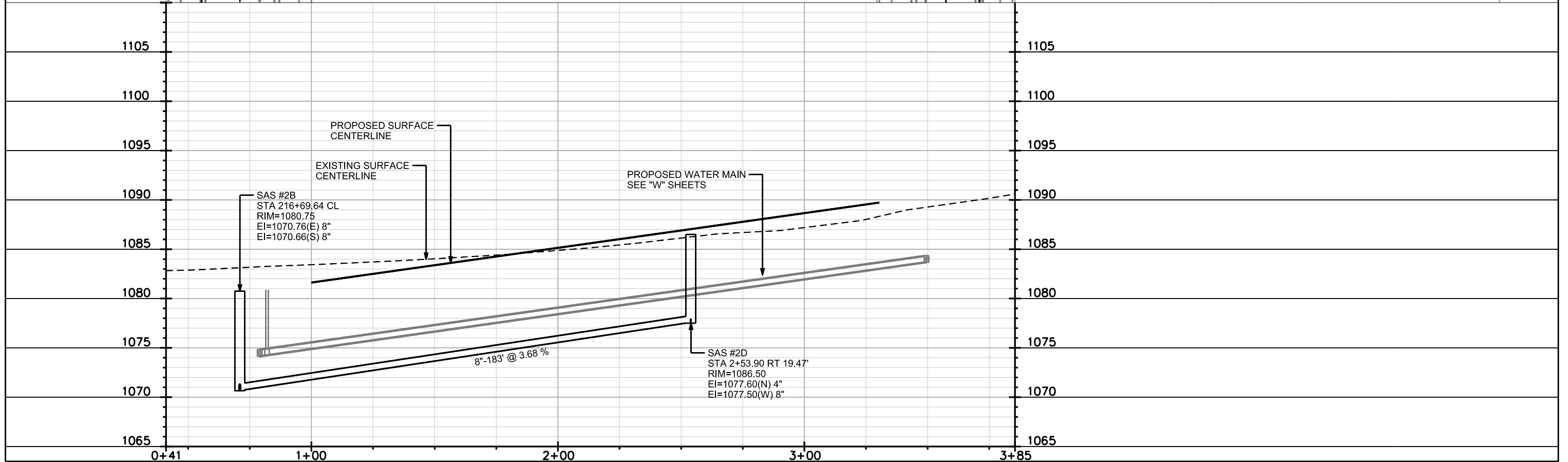
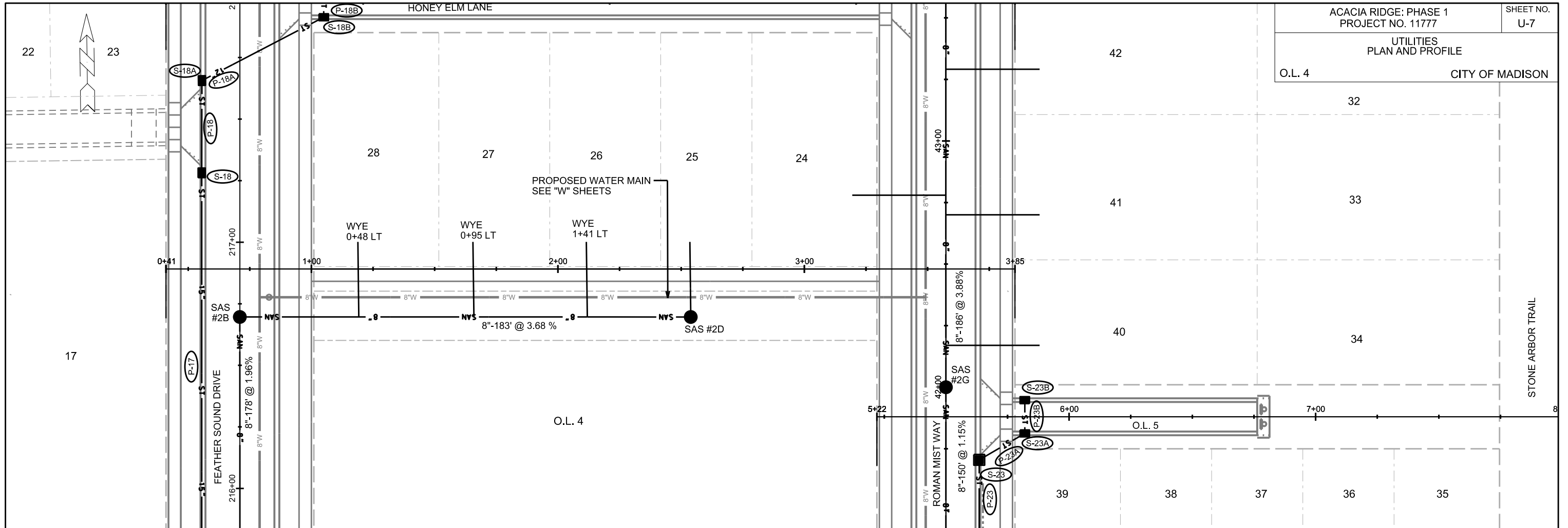


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:

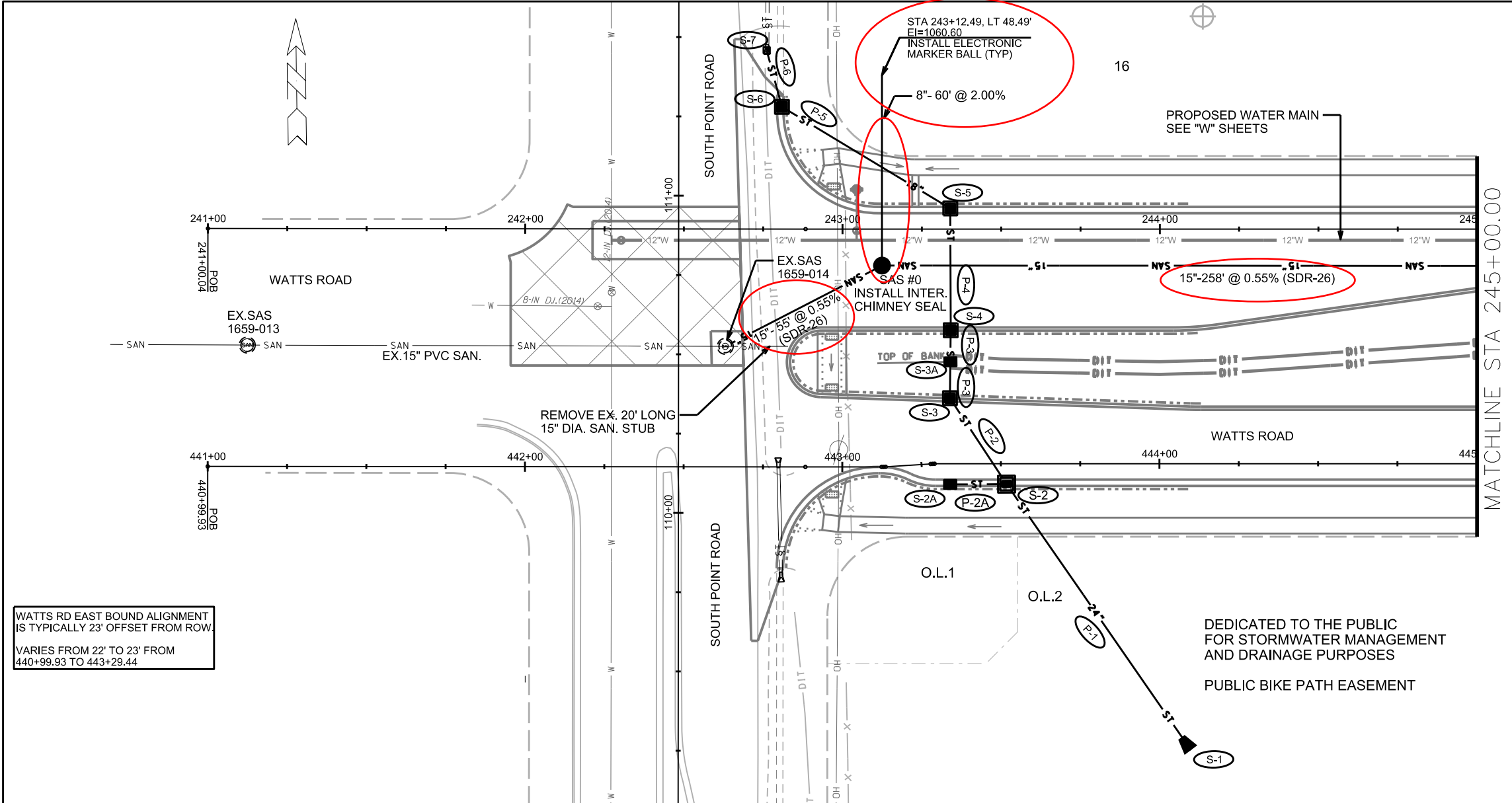
PLOT NAME:

REV. DATE:

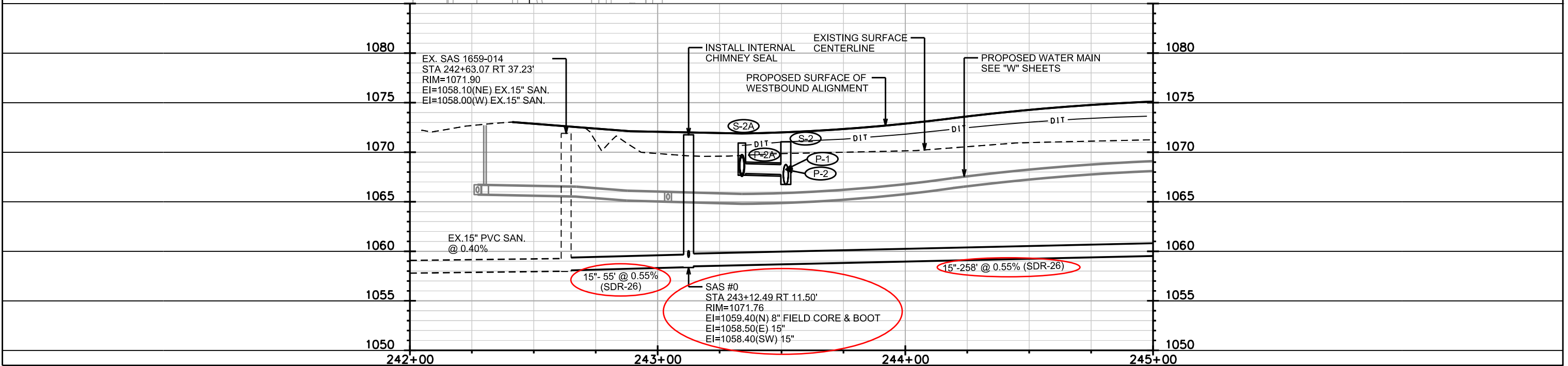
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 5/ 10/ 19- FBEG

1. SAS #0 IS RELOCATED 7' TO THE EAST. ADDED SANITARY LATERAL TO SAS #0 TO SERVE LOT 16.



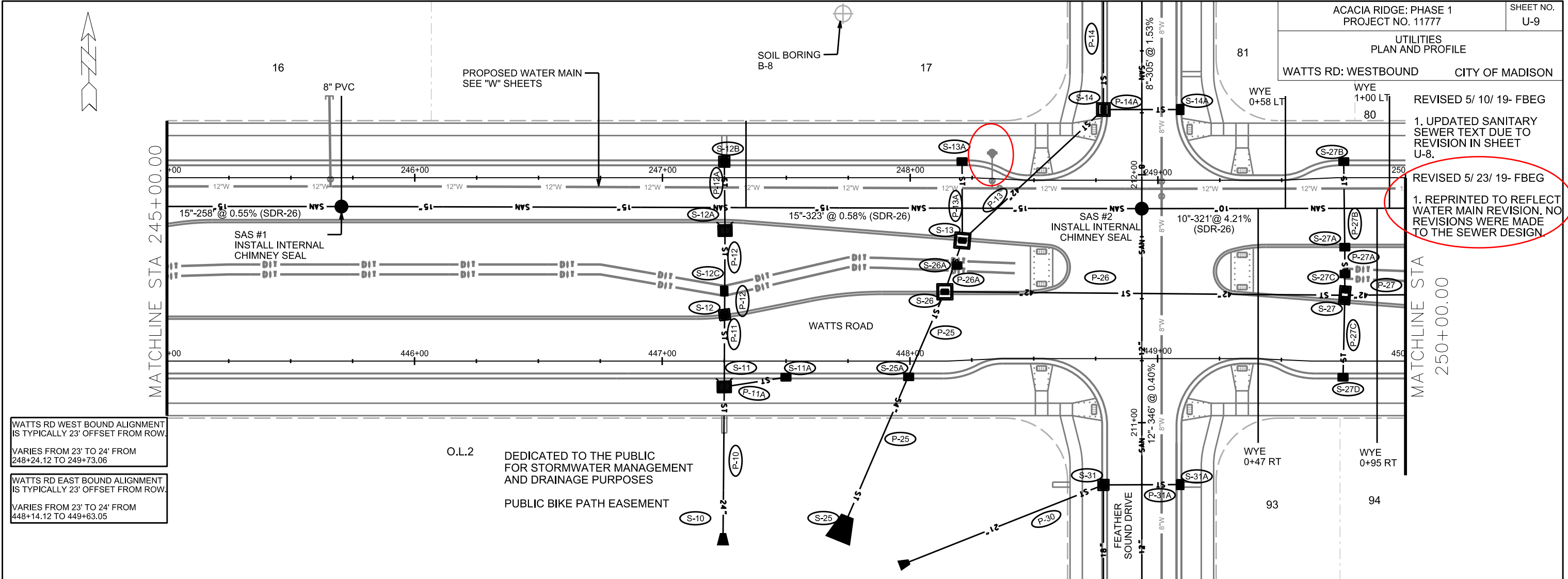
WATTS RD EAST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW
VARIES FROM 22' TO 23' FROM 440+99.93 TO 443+29.44



PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

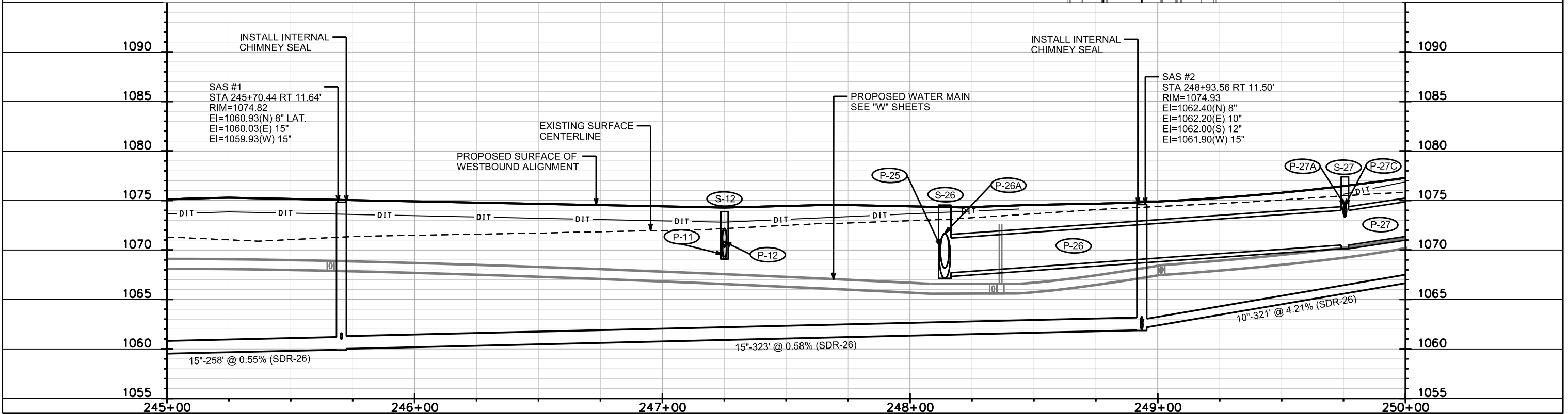
UTILITIES
PLAN AND PROFILE
WATTS RD: WESTBOUND CITY OF MADISON

REVISED 5/ 10/ 19- FBEG
1. UPDATED SANITARY
SEWER TEXT DUE TO
REVISION IN SHEET
U-8.
REVISED 5/ 23/ 19- FBEG
1. REPRINTED TO REFLECT
WATER MAIN REVISION. NO
REVISIONS WERE MADE
TO THE SEWER DESIGN



WATTS RD WEST BOUND ALIGNMENT
IS TYPICALLY 23' OFFSET FROM ROW.
VARIES FROM 23' TO 24' FROM
248+24.12 TO 249+73.06

WATTS RD EAST BOUND ALIGNMENT
IS TYPICALLY 23' OFFSET FROM ROW.
VARIES FROM 23' TO 24' FROM
448+14.12 TO 449+63.05

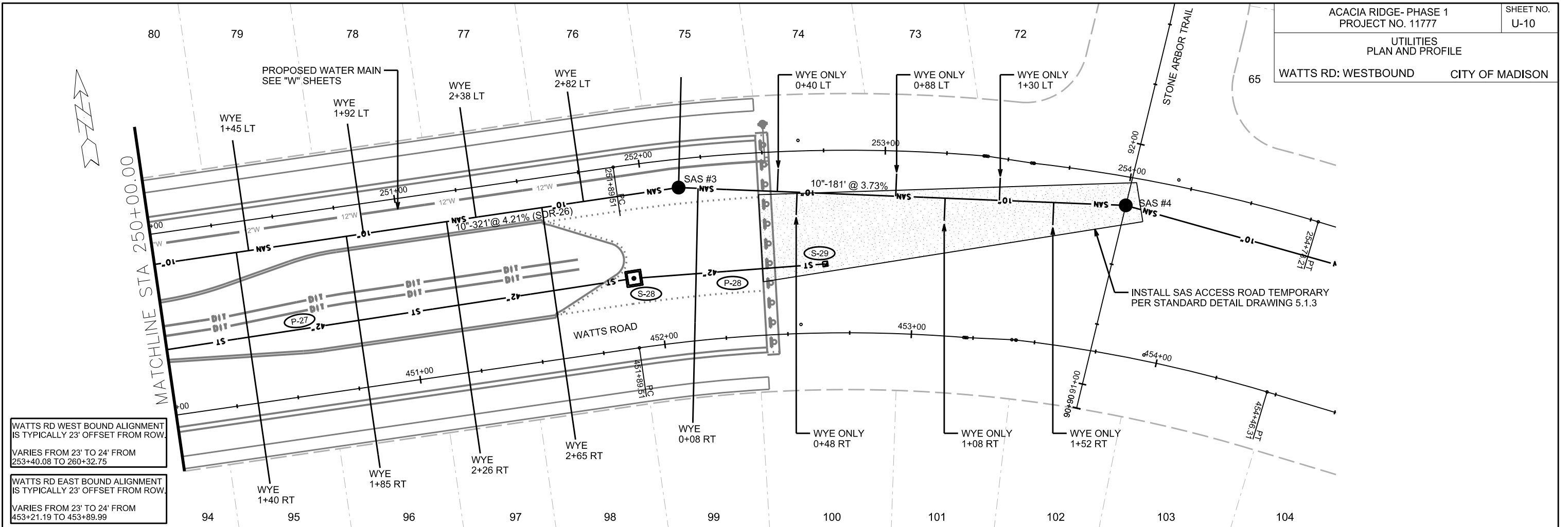


PLOT SCALE:

PLOT NAME:

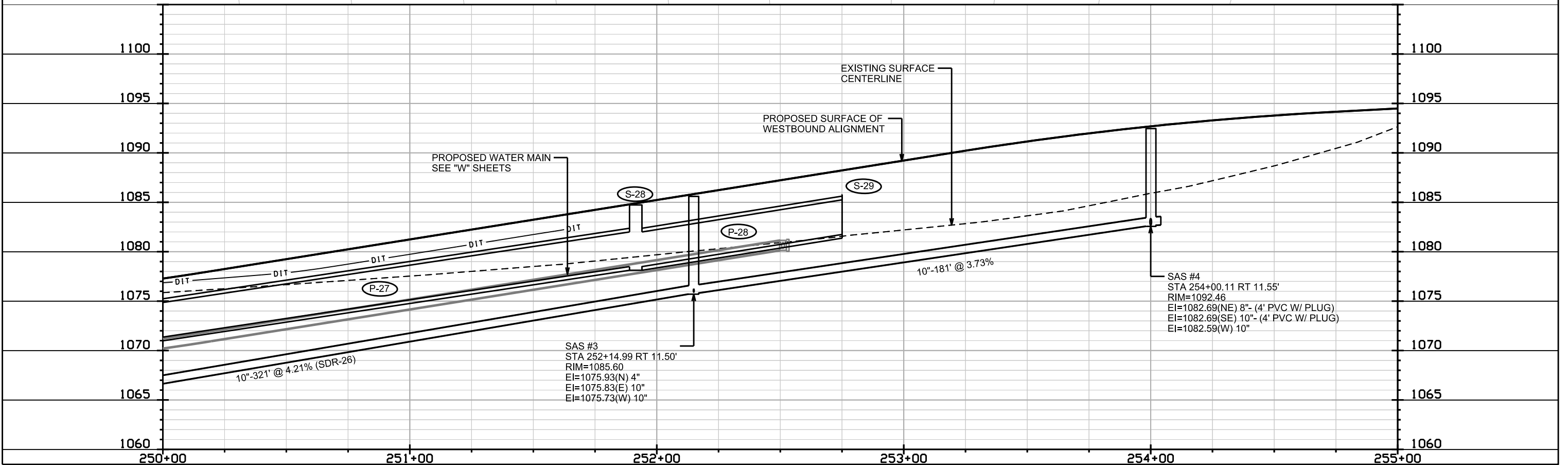
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WATTS RD WEST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW. VARIES FROM 23' TO 24' FROM 253+40.08 TO 260+32.75

WATTS RD EAST BOUND ALIGNMENT IS TYPICALLY 23' OFFSET FROM ROW. VARIES FROM 23' TO 24' FROM 453+21.19 TO 453+89.99



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

*REVISED 5/ 10/ 19-FBEG

ACACIA RIDGE PHASE 1
PROJECT NO. 11777

SHEET NO.
U-11

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
WATTS ROAD						
* SAS #0	243+12.49	RT-11.50	1071.76	1058.40	13.36	[1]
SAS #1	245+70.44	RT-11.64	1074.82	1059.93	14.89	[1]
SAS #2	248+93.56	RT-11.50	1074.93	1061.90	13.03	[1]
SAS #3	252+14.99	RT-11.50	1085.60	1075.73	9.87	-
SAS #4	254+00.11	RT-11.55	1092.46	1082.59	9.87	-

FEATHER SOUND DRIVE

SAS #2A	214+91.17	CL	1077.18	1067.08	10.10	-
SAS #2B	216+69.64	CL	1080.75	1070.66	10.09	-
SAS #2C	218+25.00	CL	1084.78	1075.23	9.55	-
SAS #2H	208+40.82	CL	1077.68	1063.40	14.28	-

HIGHLAND GATEWAY

SAS #2E	52+25.00	CL	1078.66	1068.66	10.00	-
SAS #2EE	53+61.42	CL	1085.41	1075.31	10.10	-
SAS #2F	56+14.04	CL	1099.21	1089.11	10.10	-

ROMAN MIST WAY

SAS #2G	42+00.00	CL	1087.23	1077.13	10.10	-
SAS #2GG	43+85.90	CL	1094.44	1084.44	10.00	-

OUTLOT #4

SAS #2D	2+53.90	RT-19.47	1086.50	1077.50	9.00	-
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ADJUST SANITARY SEWER ACCESS STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	DIF. (FT)	NOTES
FEATHER SOUND DRIVE						
SAS 1758-024	218+89.43	LT-1.33	1085.93	1086.05	0.12	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
WATTS ROAD								
* SAS 1659-014	SAS #0	1058.10	1058.40	55	0.55%	15"	SDR- 26	-
* SAS #0	SAS #1	1058.50	1059.93	258	0.55%	15"	SDR- 26	-
SAS #1	SAS #2	1060.03	1061.90	323	0.58%	15"	SDR- 26	-
SAS #2	SAS #3	1062.20	1075.73	321	4.21%	10"	SDR- 26	-
SAS #3	SAS #4	1075.83	1082.59	181	3.73%	10"	SDR- 35	-

FEATHER SOUND DRIVE

SAS #2	SAS #2A	1062.40	1067.08	305	1.53%	8"	SDR- 35	-
SAS #2A	SAS #2B	1067.18	1070.66	178	1.96%	8"	SDR- 35	-
SAS #1758-024	SAS #2C	1074.98	1075.23	63	0.40%	8"	SDR- 35	-
SAS #2	SAS #2H	1062.00	1063.40	346	0.40%	12"	SDR- 35	-

HIGHLAND GATEWAY

SAS #2A	SAS #2E	1067.18	1068.66	150	0.99%	8"	SDR- 35	-
SAS #2E	SAS #2EE	1068.76	1075.31	136	4.82%	8"	SDR- 35	-
SAS #2EE	SAS #2F	1075.41	1089.11	253	5.42%	8"	SDR- 35	-

ROMAN MIST WAY

SAS #2EE	SAS #2G	1075.41	1077.13	150	1.15%	8"	SDR- 35	-
SAS #2G	SAS #2GG	1077.23	1084.44	186	3.88%	8"	SDR-35	-

OUTLOT #4

SAS #2B	SAS #2D	1070.76	1077.50	183	3.68%	8"	SDR- 35	-
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SPECIAL NOTES:

[1] INSTALL INTERNAL CHIMNEY SEAL

PROPOSED STORM STRUCTURES

STORM SEWER SCHEDULE

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WATTS ROAD - EASTBOUND							
S-1	444+09.84	RT-90.26	24" RCP APRON END	-	1066.00	-	W/ GATE
S-2	443+51.76	RT-6.50	4X4 SAS	1071.05	1066.75	4.30	FP; W/ R-3067-7004-V
S-2A	443+34.00	RT-6.50	H INLET	1070.92	1067.84	3.08	LP; W/ R-3067-7004-VB; (3)
S-3	443+34.00	LT-20.12	3X3 SAS	1071.47	1066.90	4.57	FP; LP; W/ R-3067-7004-VB
S-3A	443+34.05	LT-32.15	SADDLED H INLET	1070.68	-	-	W/ R-1878-B7G
S-10	447+24.47	RT-74.35	24" RCP APRON END	-	1066.00	-	W/ GATE
S-11	447+25.00	RT-6.50	TERRACE INLET TYPE 2	1073.17	1068.27	4.90	LP; PER SDD 5.7.12C; (3)
S-11A	447+50.00	RT-10.20	H INLET	1073.50	1069.70	3.80	W/ R-3067-7004-V
S-12	447+25.00	LT-18.66	3X3 SAS	1073.87	1069.07	4.80	LP; W/ R-3067-7004-VB
WATTS ROAD - WESTBOUND							
S-4	243+34.00	RT-31.50	3X3 SAS	1071.70	1067.24	4.46	LP; W/ R-3067-7004-VB; (3)
S-5	243+34.00	LT-6.50	3X3 SAS	1072.37	1067.87	4.50	LP; W/ R-3067-7004-VB; (1)
S-6	242+81.39	LT-37.02	3X3 SAS	1073.57	1068.97	4.60	W/ R-3067-7004-V
S-7	242+76.09	LT-56.32	CONCRETE COLLAR	-	1071.88	-	CONNECT TO EX 18" HDPE; (4)
S-12A	247+25.29	RT-21.31	TERRACE INLET TYPE II	1074.18	1070.18	4.00	LP; PER SDD 5.7.12A; (3)
S-12B	247+25.00	LT-6.50	3X3 SAS	1074.76	1070.56	4.20	LP; W/ R-3067-7004-VB; (5)
S-12C	247+25.00	RT-45.69	SADDLED H INLET	1072.81	-	-	FP; W/ R-1878-B7G
S-13	248+21.00	RT-25.32	5X5 SAS	1074.25	1068.29	5.96	LP; W/ R-3067-7004-VB; (3)
S-13A	248+21.00	LT-6.50	H INLET	1074.78	1071.18	3.60	LP; W/ R-30067-7004-VB
FEATHER SOUND DRIVE							
S-14	212+27.00	LT-15.50	4X4 SAS	1074.63	1068.72	5.91	FP; LP; W/ R-3067-7004-VB; (3)
S-14A	212+27.00	RT-15.50	H INLET	1074.77	1071.37	3.40	LP; W/ R-3067-7004-VB; (3)
S-15	213+27.00	LT-15.50	4X4 SAS	1075.26	1069.30	5.96	W/ R-3067-7004-V
S-15A	213+29.90	RT-15.50	H INLET	1075.29	1071.97	3.32	W/ R-3067-7004-V
S-16	214+37.04	LT-15.50	4X4 SAS	1076.42	1070.46	5.96	W/ R-3067-7004-V
S-17	215+45.17	LT-15.50	3X3 SAS	1078.36	1073.76	4.60	W/ R-3067-7004-V
S-18	217+27.62	LT-15.50	H INLET	1082.00	1078.20	3.80	W/ R-3067-7004-V; (2)
S-18A	217+65.64	LT-15.50	H INLET	1083.13	1079.73	3.40	W/ R-3067-7004-V
O.L. 8							
S-15B	10+84.00	RT-6.75	H INLET	1075.52	1072.32	3.20	LP; W/ R-3362-L
S-15C	10+84.00	LT-6.75	H INLET	1075.76	1072.56	3.20	LP; W/ R-3362-L
HONEY ELM LANE							
S-18B	1+84.00	RT-6.75	H INLET	1084.20	1080.80	3.40	LP; W/ R-3362-L
S-18C	1+84.00	LT-6.75	H INLET	1084.56	1081.16	3.40	LP; W/ R-3362-L
HIGHLAND GATEWAY							
S-19	51+13.00	RT-15.50	4X4 SAS	1076.88	1070.92	5.96	W/ R-3067-7004-V
S-19A	51+13.00	LT-15.50	H INLET	1076.88	1073.59	3.29	LP; W/ R-3067-7004-VB; (3)
S-19B	50+91.00	LT-36.00	H INLET	1078.00	1074.60	3.40	LP; W/ R-3067-7004-VB
S-19C	52+05.78	RT-15.50	4X4 SAS	1078.17	1072.21	5.96	W/ R-3067-7004-V
S-20	53+09.35	RT-15.50	4X4 SAS	1082.66	1076.70	5.96	W/ R-3067-7004-V
S-20A	54+80.77	RT-15.50	PIPE END	-	1085.00	-	

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	1066.00	1066.75	102	100	0.75%	24"	TYPE II	-
P-2	S-2	S-3	1066.75	1066.90	32	29	0.52%	24"	TYPE I	-
P-2A	S-2	S-2A	1067.75	1067.84	18	15	0.60%	12"	TYPE II	-
P-3	S-3	S-4	1067.15	1067.24	21	18	0.50%	21"	TYPE I	-
P-4	S-4	S-5	1067.24	1067.87	38	35	1.80%	21"	TYPE I	-
P-5	S-5	S-6	1068.12	1068.97	61	58	1.47%	18"	TYPE II	-
P-6	S-6	S-7	1068.97	1071.88	20	18	16.17%	18"	TYPE I	-
P-10	S-10	S-11	1066.00	1068.27	64	62	3.66%	24"	TYPE I	-
P-11	S-11	S-12	1068.52	1069.07	29	26	2.12%	21"	TYPE I	-
P-11A	S-11	S-11A	1068.52	1069.70	25	22	5.36%	12"	TYPE II	-
P-12	S-12	S-12A	1069.32	1070.18	34	31	2.77%	18"	TYPE II	-
P-12A	S-12A	S-12B	1070.18	1070.56	28	25	1.52%	18"	TYPE I	-
P-13	S-13	S-14	1068.29	1068.72	78	72	0.60%	42"	TYPE I	-
P-13A	S-13	S-13A	1070.54	1071.18	32	28	2.29%	15"	TYPE I	-
P-14	S-14	S-15	1068.72	1069.30	100	96	0.60%	42"	TYPE II	-
P-14A	S-14	S-14A	1071.22	1071.37	31	28	0.54%	12"	TYPE I	-
P-15	S-15	S-16	1069.30	1070.46	110	106	1.09%	42"	TYPE II	-
P-15A	S-15	S-15A	1071.80	1071.97	31	28	0.61%	12"	TYPE I	-
P-15B	S-15A	S-15B	1071.97	1072.32	22	19	1.84%	12"	TYPE II	-
P-15C	S-15B	S-15C	1072.32	1072.56	11	9	2.67%	12"	TYPE I	-
P-16	S-16	S-17	1072.46	1073.76	112	108	1.20%	18"	TYPE II	-
P-17	S-17	S-18	1074.01	1078.20	182	179	2.34%	15"	TYPE II	-
P-18	S-18	S-18A	1078.45	1079.73	37	35	3.66%	12"	TYPE I	-
P-18A	S-18A	S-18B	1079.73	1080.80	56	53	2.02%	12"	TYPE I	-
P-18B	S-18B	S-18C	1080.80	1081.16	14	12	3.00%	12"	TYPE I	-
P-19	S-16	S-19	1070.46	1070.92	67	62	0.74%	42"	TYPE I	-
P-19A	S-19	S-19A	1073.42	1073.59	31	28	0.61%	12"	TYPE I	-
P-19B	S-19A	S-19B	1073.48	1074.60	32	29	3.86%	12"	TYPE II	-
P-19C	S-19	S-19C	1071.42	1072.21	93	89	0.89%	36"	TYPE II	-
P-20	S-19C	S-20	1072.21	1076.70	102	98	4.58%	36"	TYPE II	-
P-20A	S-20	S-20A	1076.70	1085.00	171	169	4.91%	36"	TYPE II	-
P-21	S-20	S-21	1078.20	1080.51	66	62	3.73%	18"	TYPE I	-
P-22	S-21	S-22	1080.51	1081.55	27	24	4.33%	18"	TYPE I	-
P-23	S-22	S-23	1081.55	1082.23	82	79	0.86%	18"	TYPE II	-
P-23A	S-23	S-23A	1082.73	1084.00	22	18	7.06%	12"	TYPE II	-
P-23B	S-23A	S-23B	1084.00	1084.30	14	12	2.50%	12"	TYPE I	-

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
 - APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
 - TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
 - TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
 - ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
 - SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
 - ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

NOTES

- (1) BOX OUT FOR FUTURE PRIVATE CONNECTION TO NORTH
- (2) BOX OUT FOR FUTURE PRIVATE CONNECTION TO WEST
- (3) INSTALL 2" PVC DRAIN PIPE PER CITY OF MADISON S.D.D. 5.7.7A
- (4) REMOVE EXISTING 18" APRON END
- (5) BOX OUT TO NORTH FOR FUTURE 15"

STORM SEWER SCHEDULE

ACACIA RIDGE: PHASE 1
PROJECT NO. 11777

SHEET NO.
U-13

STORM SEWER SCHEDULE 2

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WATTS ROAD - EASTBOUND							
S-25	447+70.71	RT-72.49	54" RCP APRON END	-	1064.75	-	W/ GATE
S-25A	447+99.42	RT-6.40	SADDLED H INLET	1073.74			W/ R-3067-7004-V
S-26	448+15.28	LT-27.50	5X5 SAS	1074.52	1067.12	7.40	W/ R-3067-7004-V
S-27	449+75.00	LT-26.57	3X6 SAS	1077.39	1070.50	6.89	FP; (1)
S-27D	449+74.83	RT-6.50	H INLET	1076.76	1073.76	3.00	W/ R-3067-7004-V
S-28	451+91.26	LT-28.19	5X5 SAS	1084.73	1078.50	6.23	W/ R-1550-0074
S-29	452+65.00	LT-28.20	PIPE END	-	1081.75	-	
WATTS ROAD - WESTBOUND							
S-26A	248+19.04	RT-35.60	SADDLED H INLET	1073.50	-	-	W/ R-1878-B7G
S-27A	249+75.53	RT-27.50	H INLET	1077.16	1074.07	3.09	W/ R-3067-7004-V
S-27B	249+75.00	LT-6.50	H INLET	1076.90	1074.24	2.66	FP; W/ R-3067-7004-V
S-27C	249+75.00	RT-38.75	SADDLED H INLET	1075.62			W/ R-1878-B7G
FEATHER SOUND DRIVE							
S-30	210+42.26	LT-97.95	21" RCP APRON END	-	1066.13	-	W/ GATE
S-31	210+75.00	LT-15.50	3X3 SAS	1074.16	1069.30	4.86	LP; W/ R-3067-7004-VB; (3)
S-31A	210+75.00	RT-15.50	H INLET	1074.86	1071.26	3.60	LP; W/ R-3067-7004-VB
S-32	210+00.00	LT-15.50	3X3 SAS	1075.11	1070.51	4.60	W/ R-3067-7004-V
S-33	209+47.55	LT-15.50	PIPE END	-	1072.15	-	
S-36	219+24.58	LT-35.02	STORM TAP	-	1082.62	-	TAP EX IN 1758-038
S-37	219+01.72	LT-15.50	H INLET	1086.27	1082.78	3.49	W/ R-3067-7004-V
S-38	219+01.70	LT-11.09	CONCRETE COLLAR	-	1082.79	-	REMOVE EX IN 1758-073
O.L. 9							
S-32A	30+84.00	LT-6.75	H INLET	1075.52	1072.12	3.40	LP; W/ R-3362-L
S-32B	30+84.00	RT-6.75	H INLET	1075.76	1072.36	3.40	LP; W/ R-3362-L
HARVEST MOON LANE							
S-35	13+93.41	RT-7.57	STORM TAP	-	1082.52	-	TAP EXISTING IN 1758-036
S-35A	14+27.37	RT-19.00	H INLET	1085.65	1082.72	2.93	FP; LP; W/ R-3067-7004-VB; (3)

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-25	S-25	S-26	1064.75	1067.12	109	107	2.21%	54"	TYPE I	-
P-26	S-26	S-27	1067.70	1070.50	162	158	1.77%	42"	TYPE I	-
P-26A	S-26	S-13	1068.18	1068.29	22	17	0.65%	42"	TYPE II	-
P-27	S-27	S-28	1070.50	1078.50	216	212	3.77%	42"	TYPE I	-
P-27A	S-27	S-27A	1073.49	1074.07	19	15	3.87%	12"	TYPE I	-
P-27B	S-27A	S-27B	1074.07	1074.24	35	33	0.52%	12"	TYPE I	-
P-27C	S-27	S-27D	1073.49	1073.76	33	29	0.93%	12"	TYPE I	-
P-28	S-28	S-29	1078.50	1081.75	78	75	4.33%	42"	TYPE I	-
P-30	S-30	S-31	1066.13	1069.30	89	87	3.64%	21"	TYPE I	-
P-31	S-31	S-32	1069.55	1070.51	75	72	1.33%	18"	TYPE II	-
P-31A	S-31	S-31A	1070.05	1071.26	31	28	4.32%	12"	TYPE I	-
P-32	S-32	S-33	1070.51	1072.15	52	51	3.22%	18"	TYPE II	-
P-32A	S-32	S-32A	1071.01	1072.12	52	48	2.31%	12"	TYPE I	-
P-32B	S-32A	S-32B	1072.12	1072.36	14	12	2.00%	12"	TYPE I	-
P-35	S-35	S-35A	1082.52	1082.72	36	33	0.61%	12"	TYPE I	-
P-36	S-36	S-37	1082.62	1082.78	29	26	0.62%	12"	TYPE I	-
P-37	S-37	S-38	1082.78	1082.79	4	2	0.50%	12"	TYPE I	-

NOTE:

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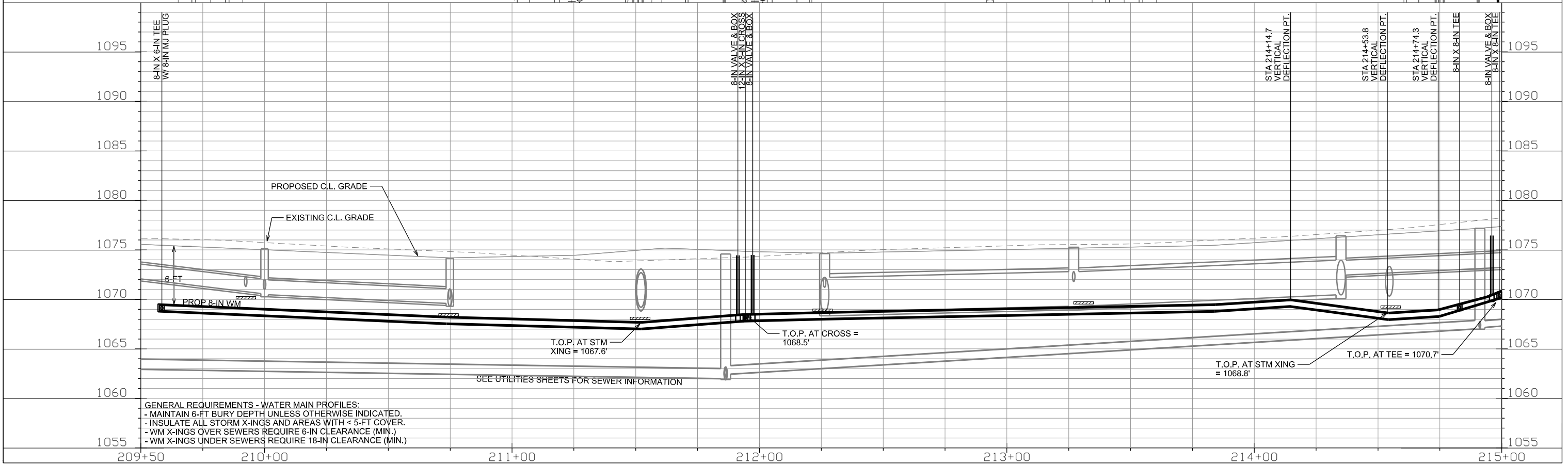
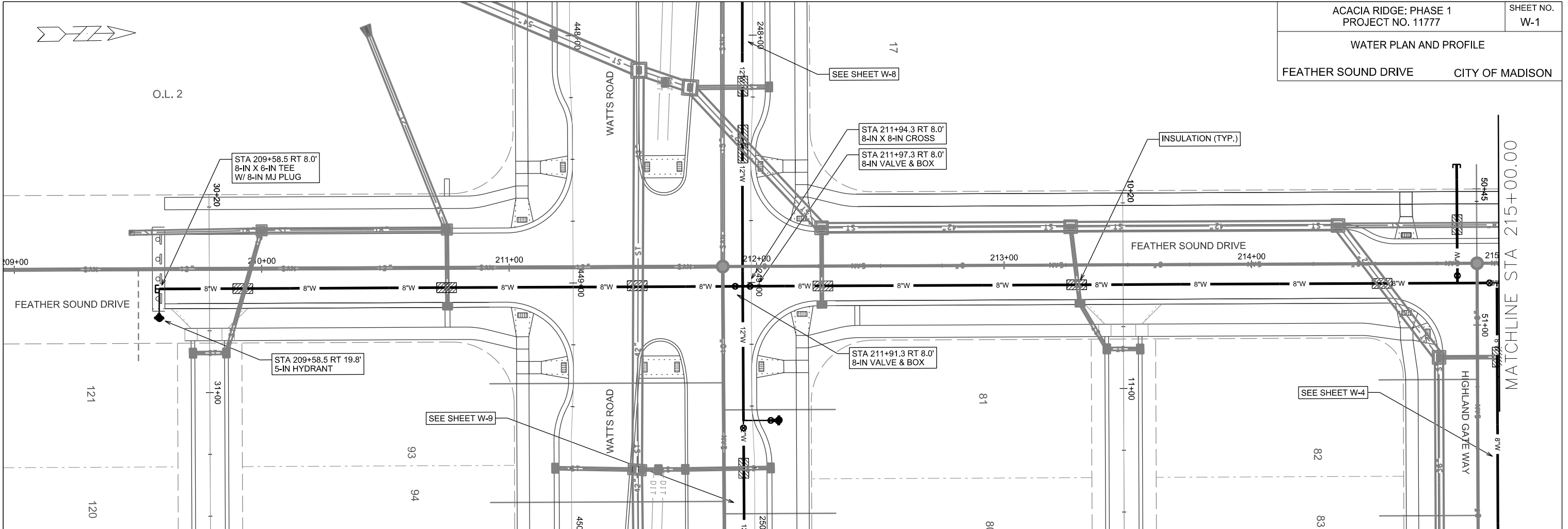
NOTES

(1) BOTH R-3067-7004-V & R-1550-0054 SHALL BE INSTALLED ON STRUCTURE. R-1550-0054 SHALL BE OFFSET 1.5' FROM CENTER OF STRUCTURE, AWAY FROM PAVEMENT EDGE.

(3) INSTALL 2" PVC DRAIN PIPE PER CITY OF MADISON S.D.D. 5.7.7A

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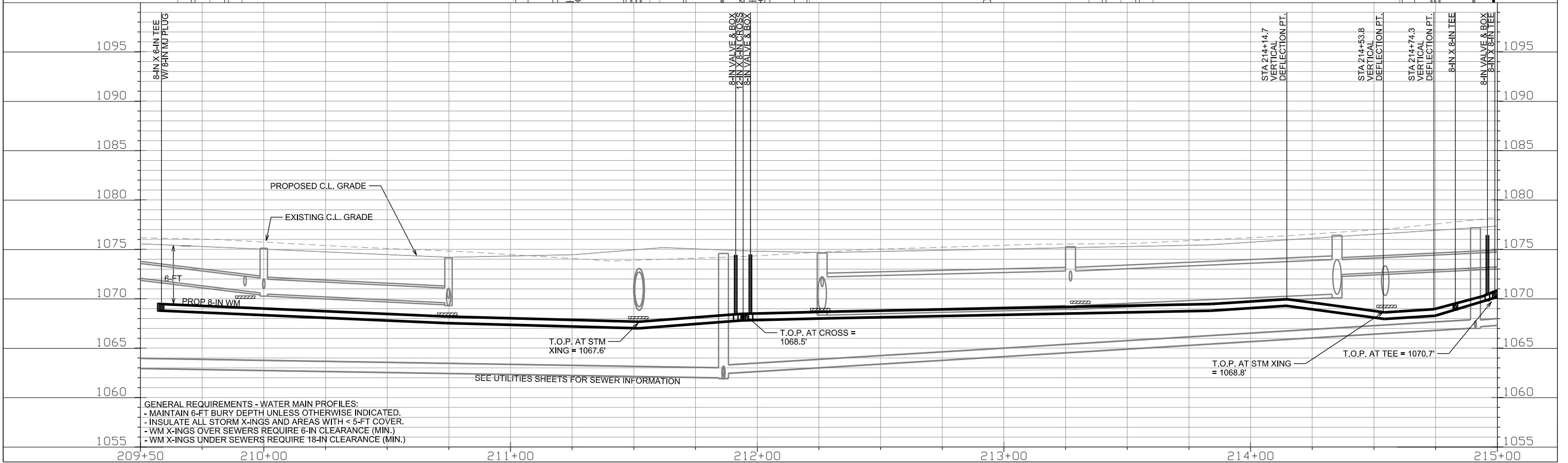
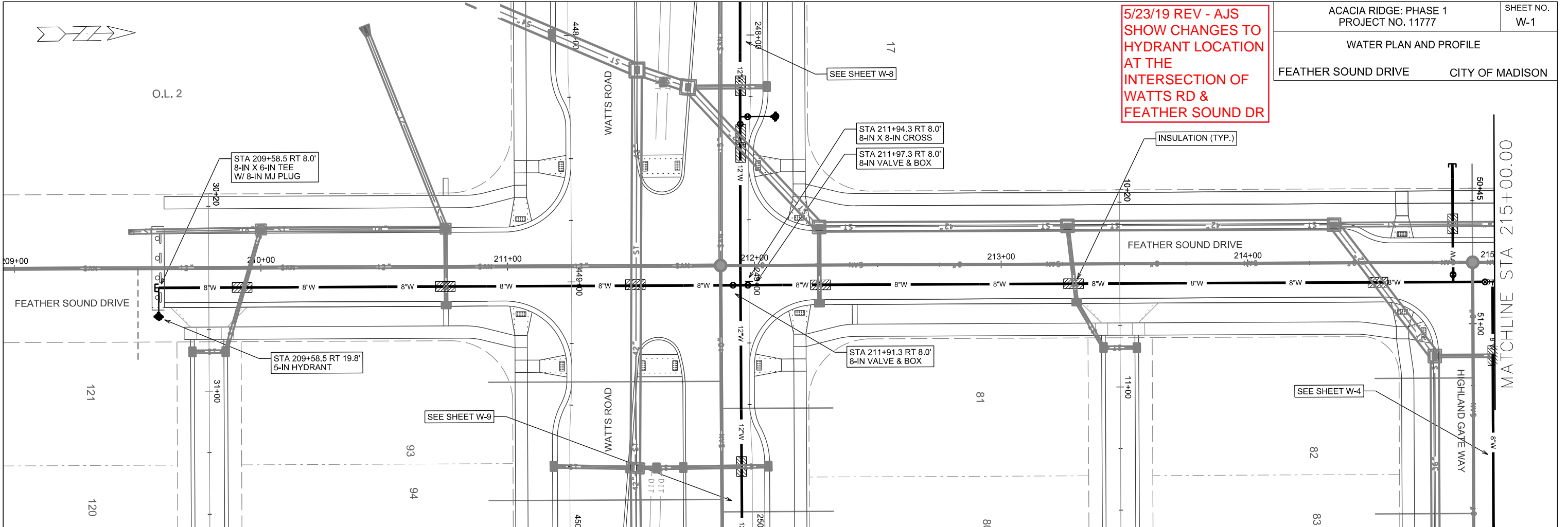
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

5/23/19 REV - AJS
SHOW CHANGES TO
HYDRANT LOCATION
AT THE
INTERSECTION OF
WATTS RD &
FEATHER SOUND DR



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

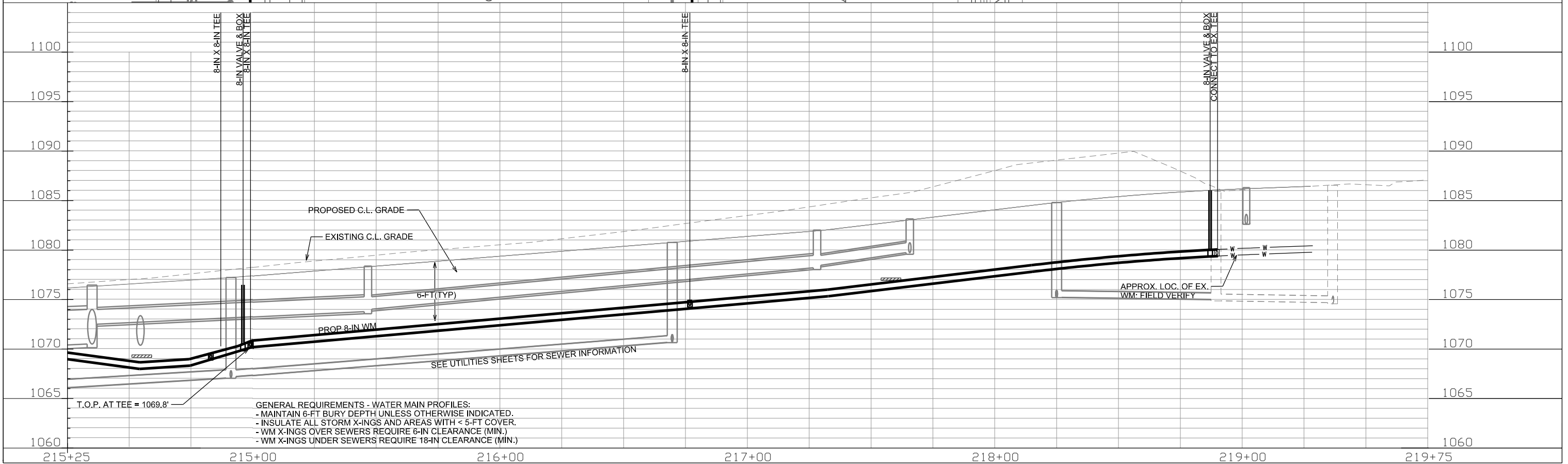
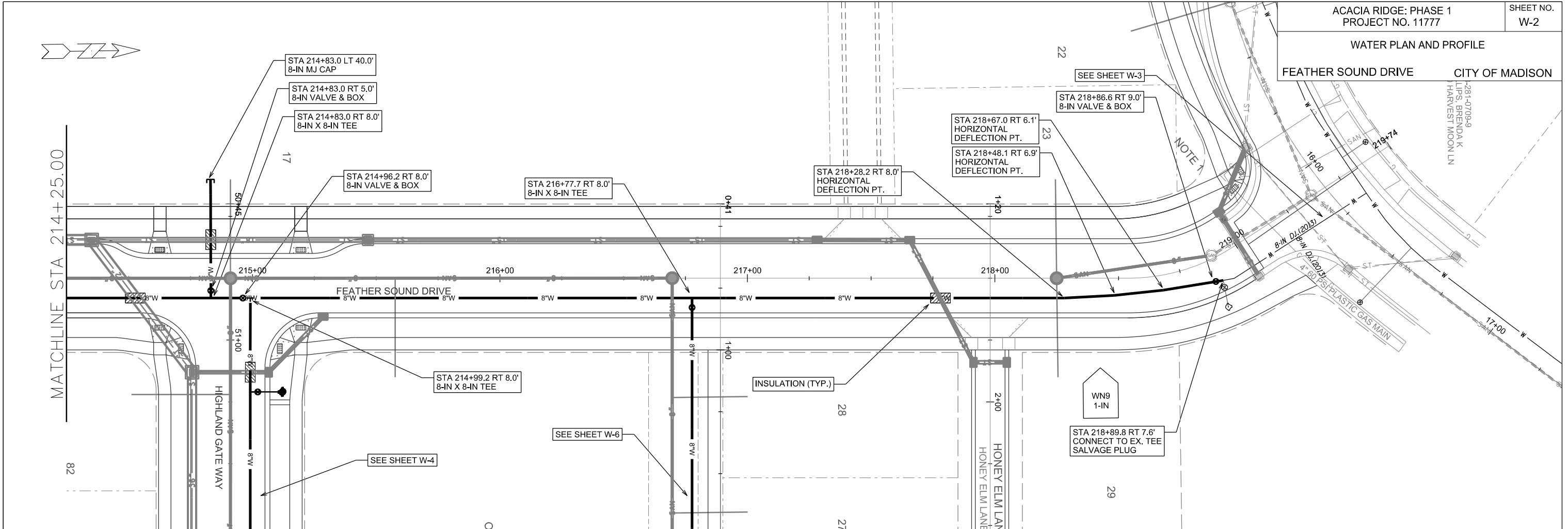
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE
FEATHER SOUND DRIVE CITY OF MADISON



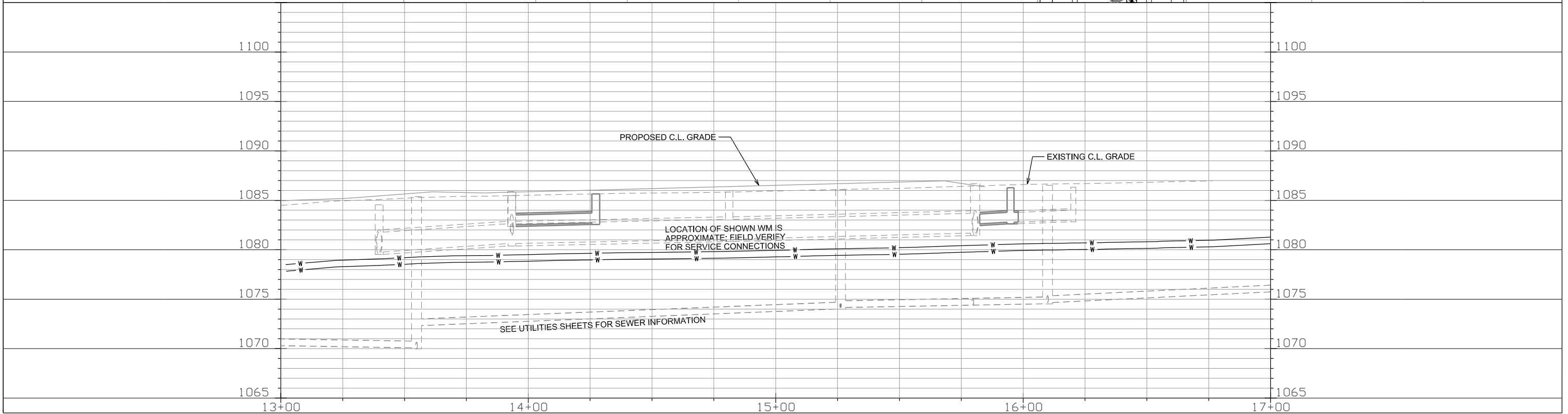
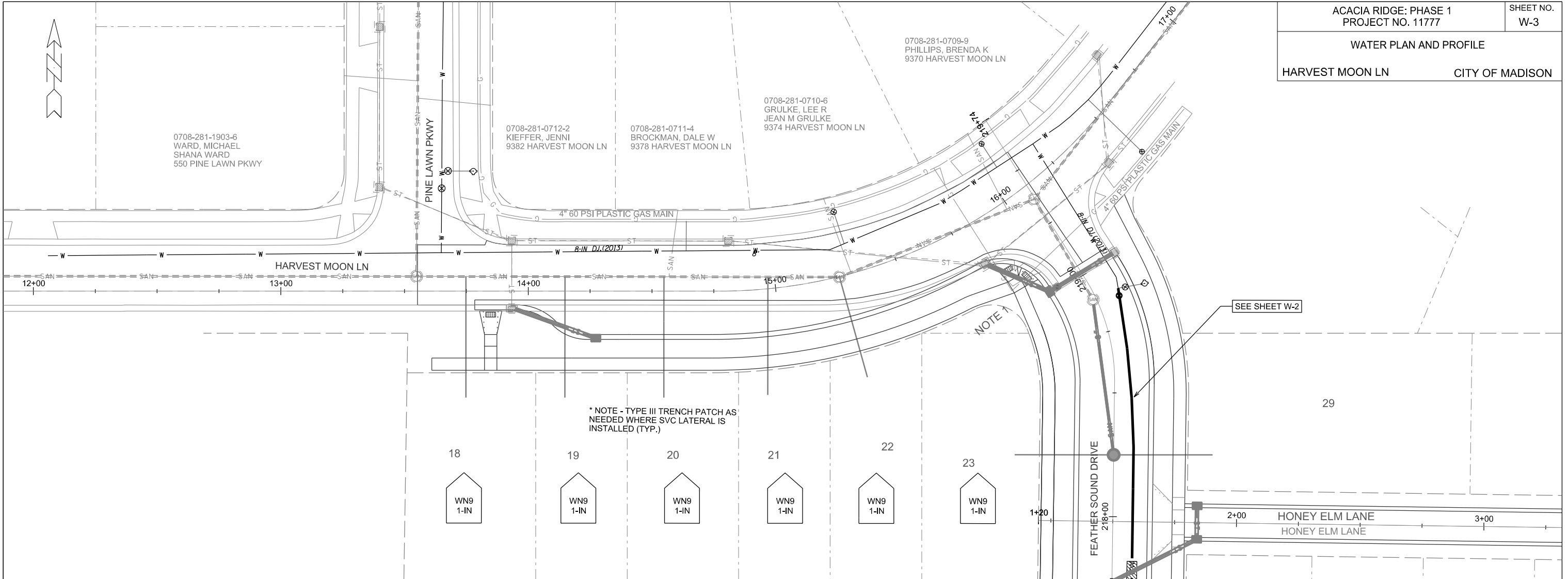
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

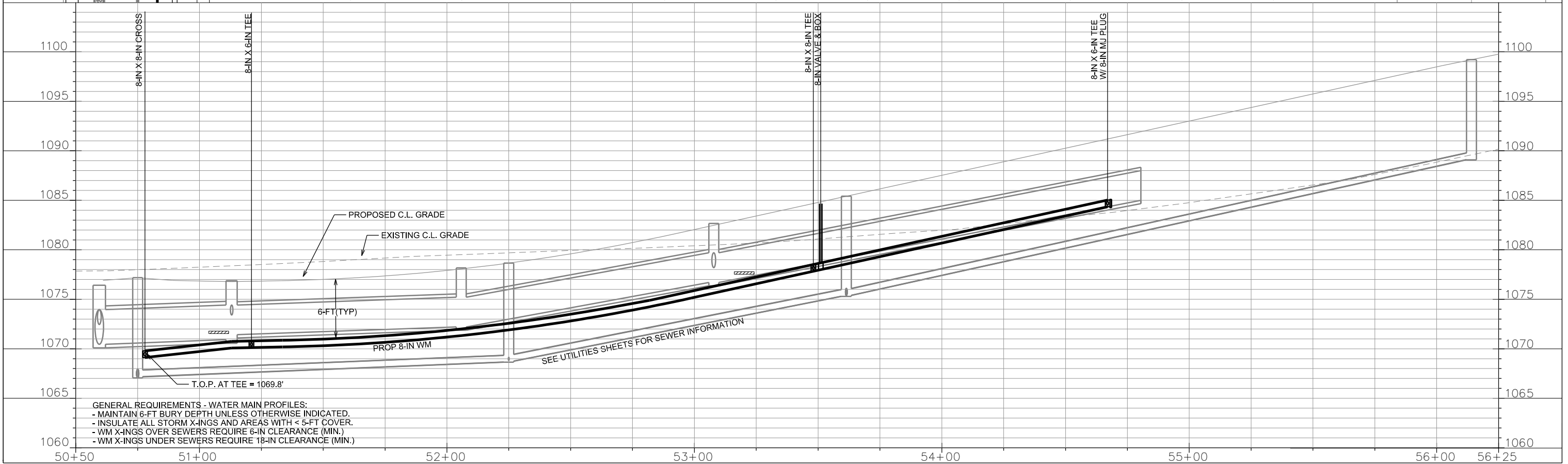
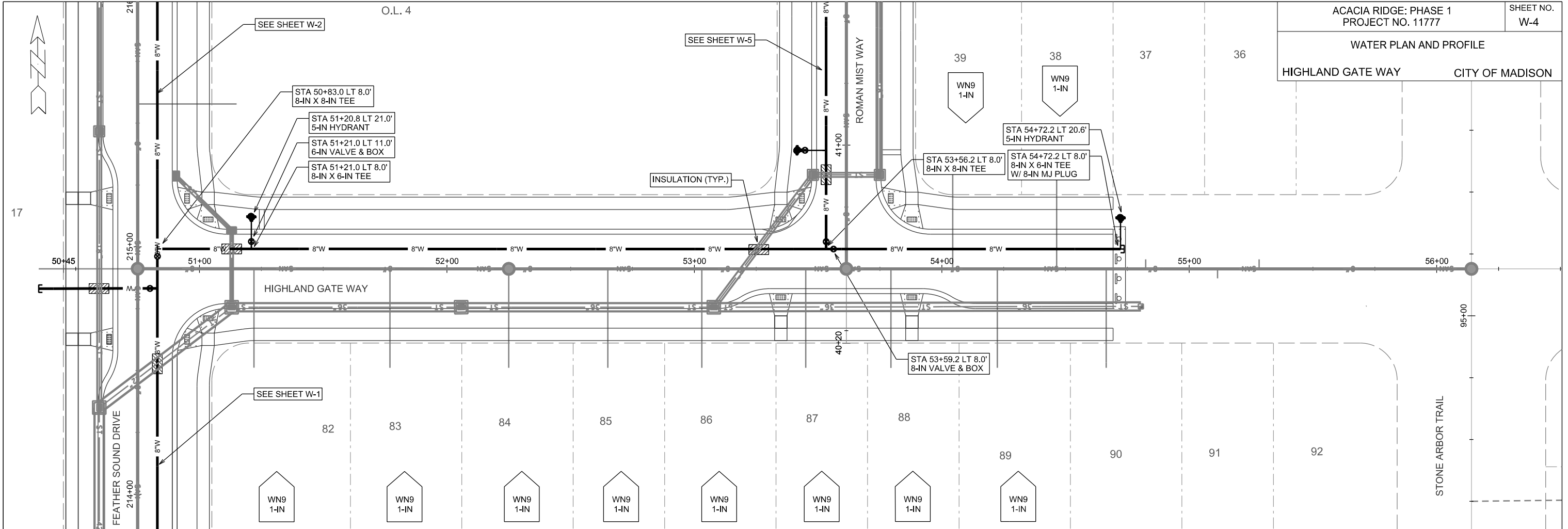


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



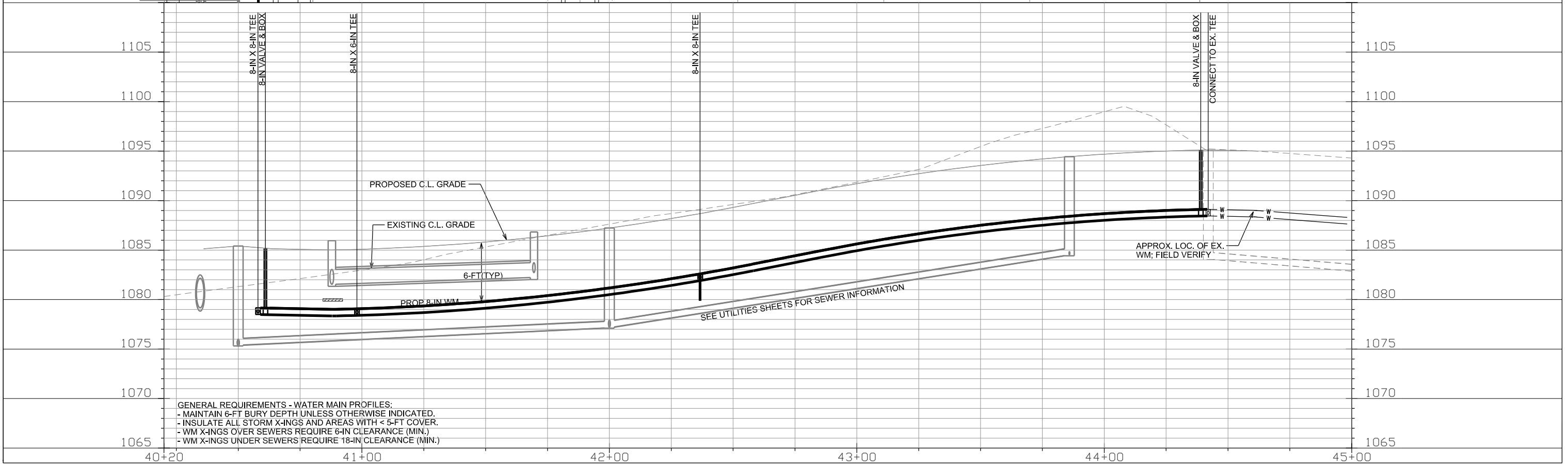
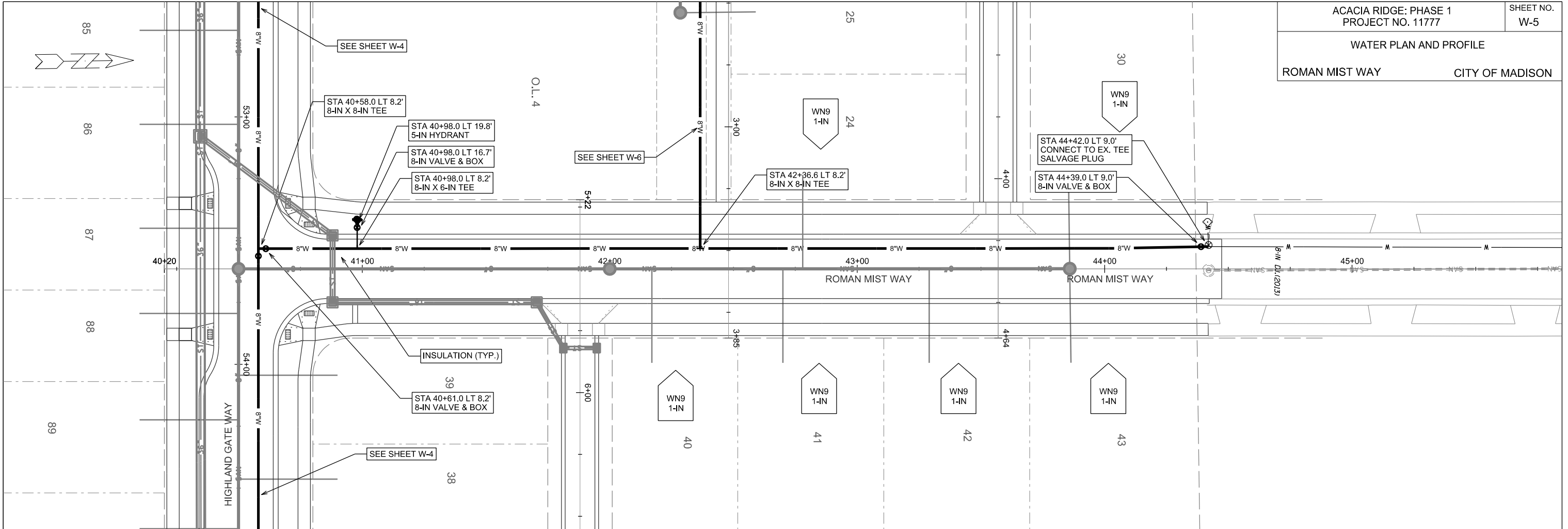
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



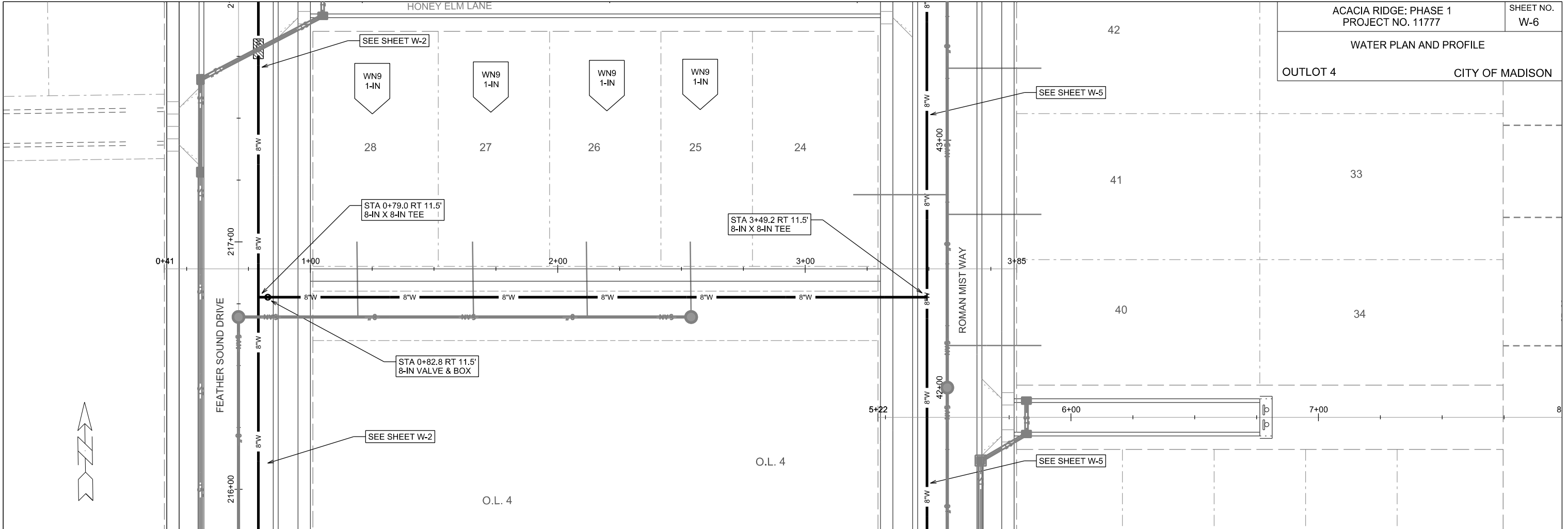
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

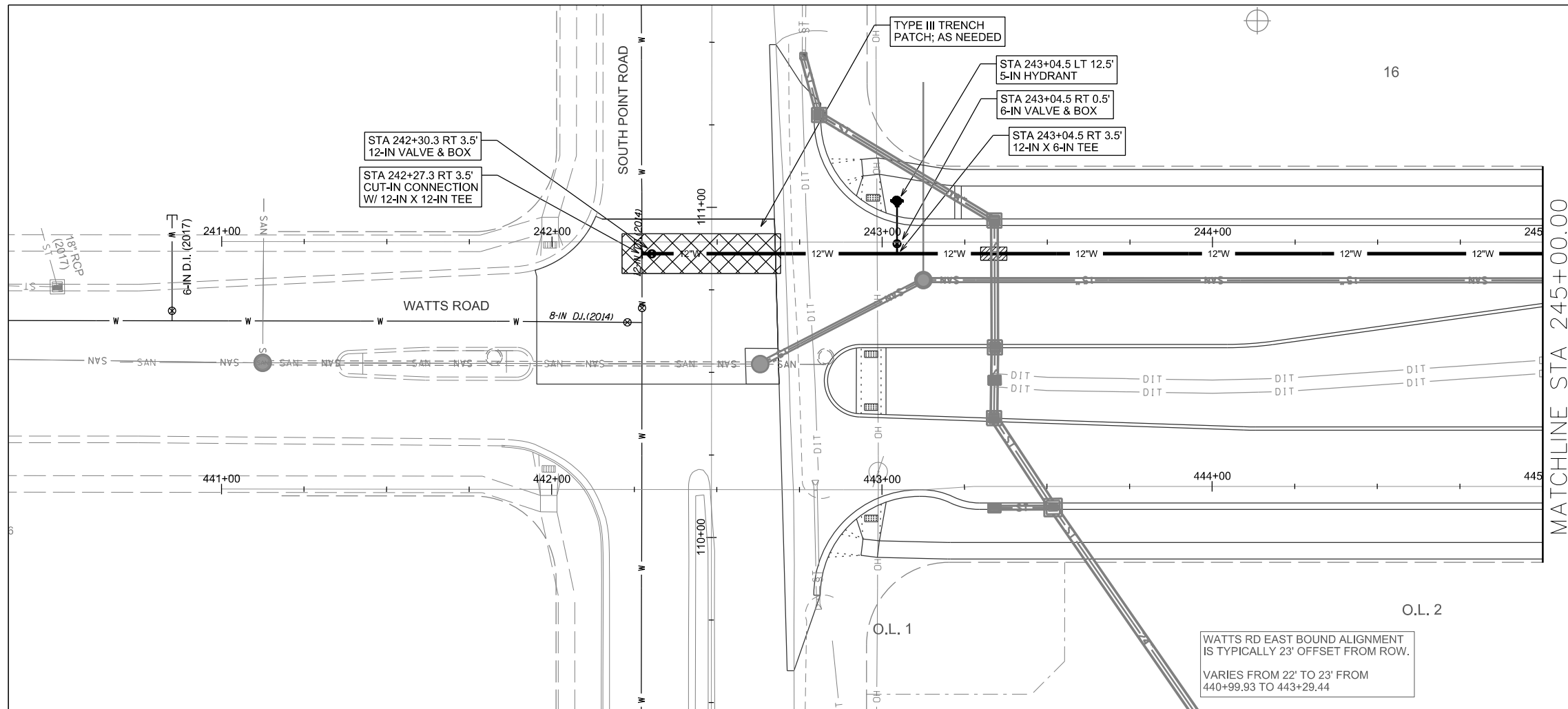
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

5/10/19 REV - AJS -
REFLECTS
SANITARY CHANGES



MATCHLINE STA 245+00.00

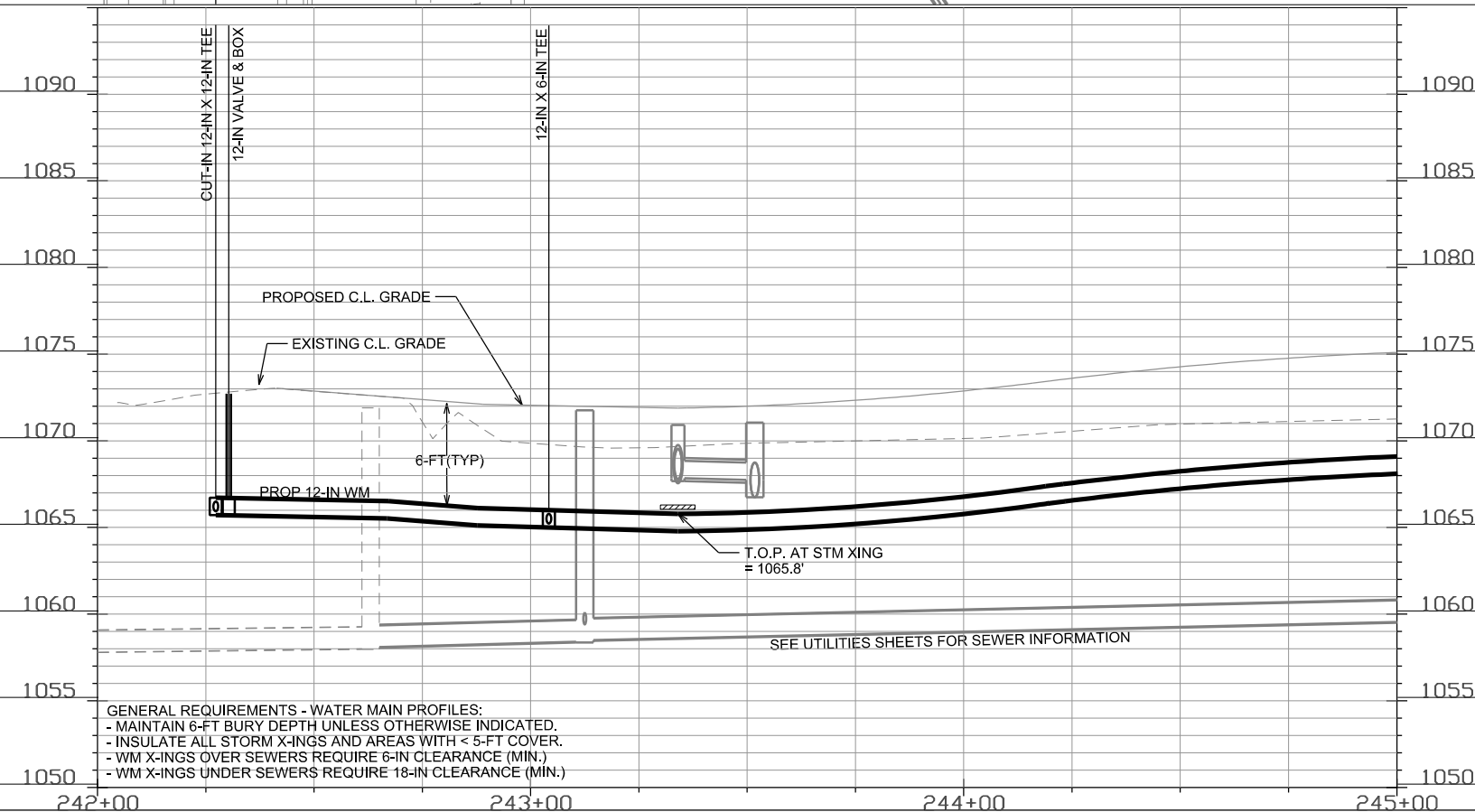
WATTS RD EAST BOUND ALIGNMENT
IS TYPICALLY 23' OFFSET FROM ROW.
VARIES FROM 22' TO 23' FROM
440+99.93 TO 443+29.44

PLOT SCALE:

PLOT NAME:

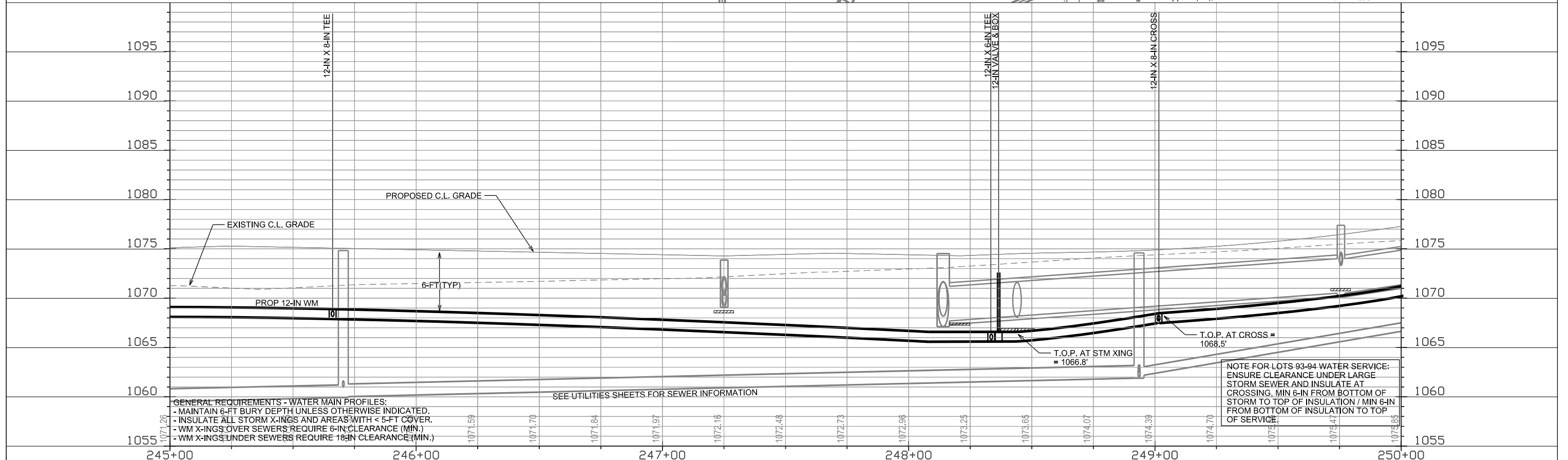
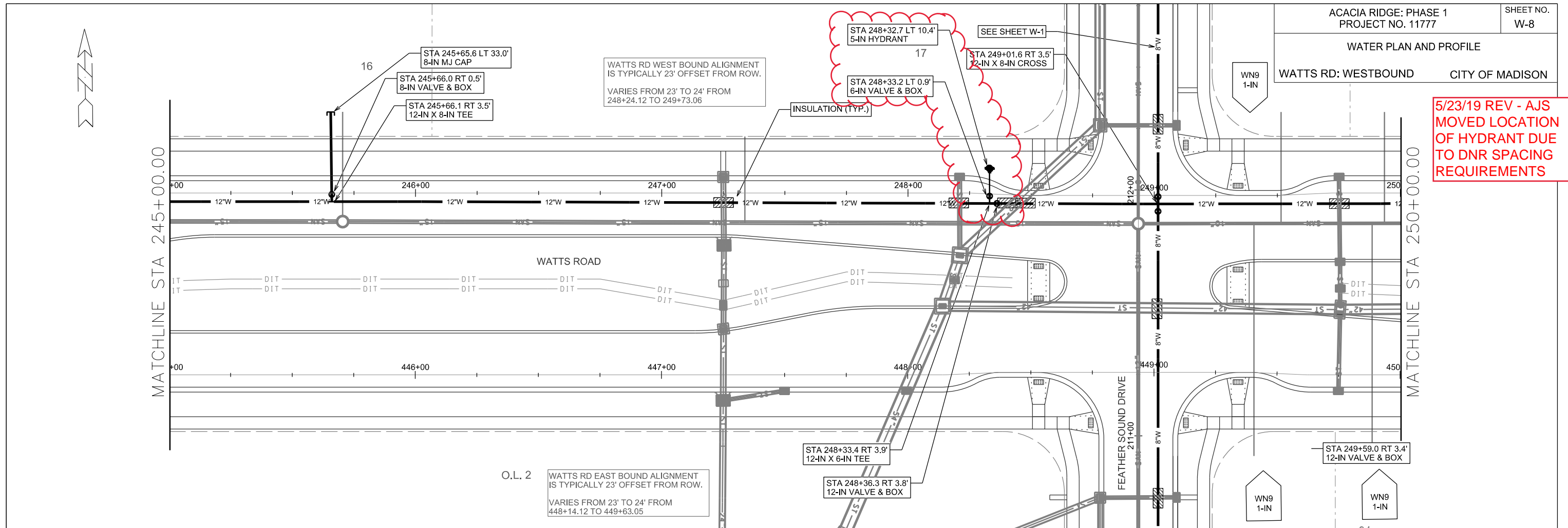
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

5/23/19 REV - AJS
MOVED LOCATION
OF HYDRANT DUE TO
DNR SPACING
REQUIREMENTS



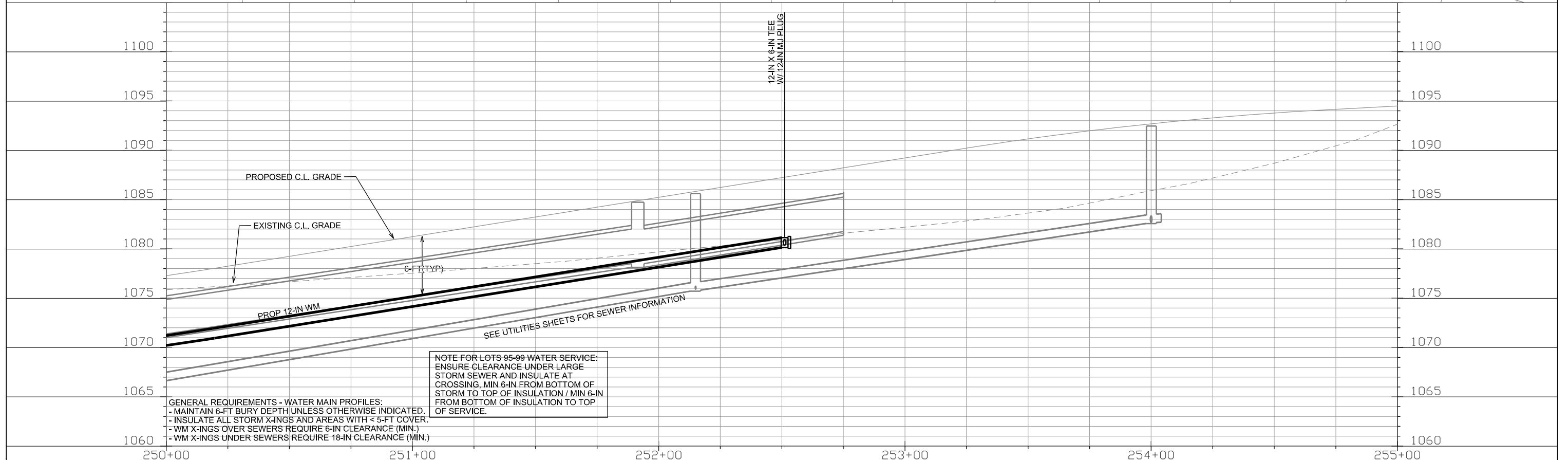
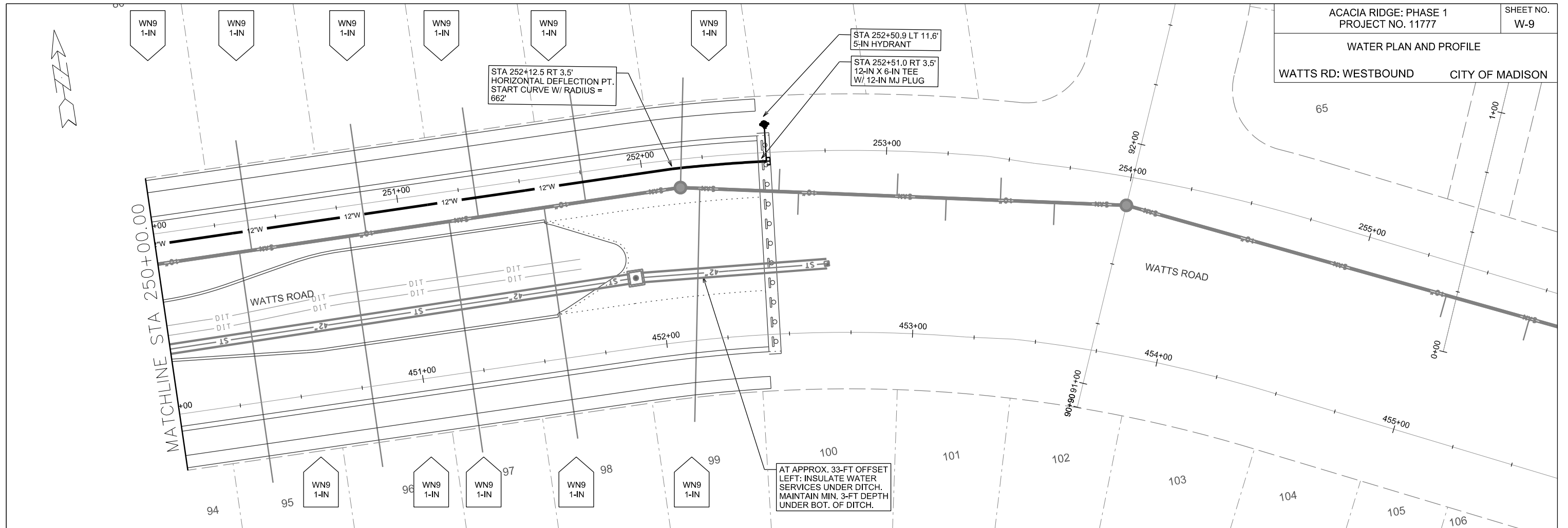
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE
WATTS RD: WESTBOUND CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
- WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

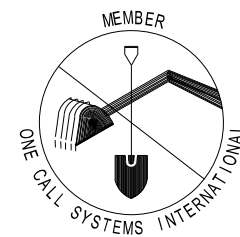
ESTIMATE OF PROJECT WATER MATERIALS:

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

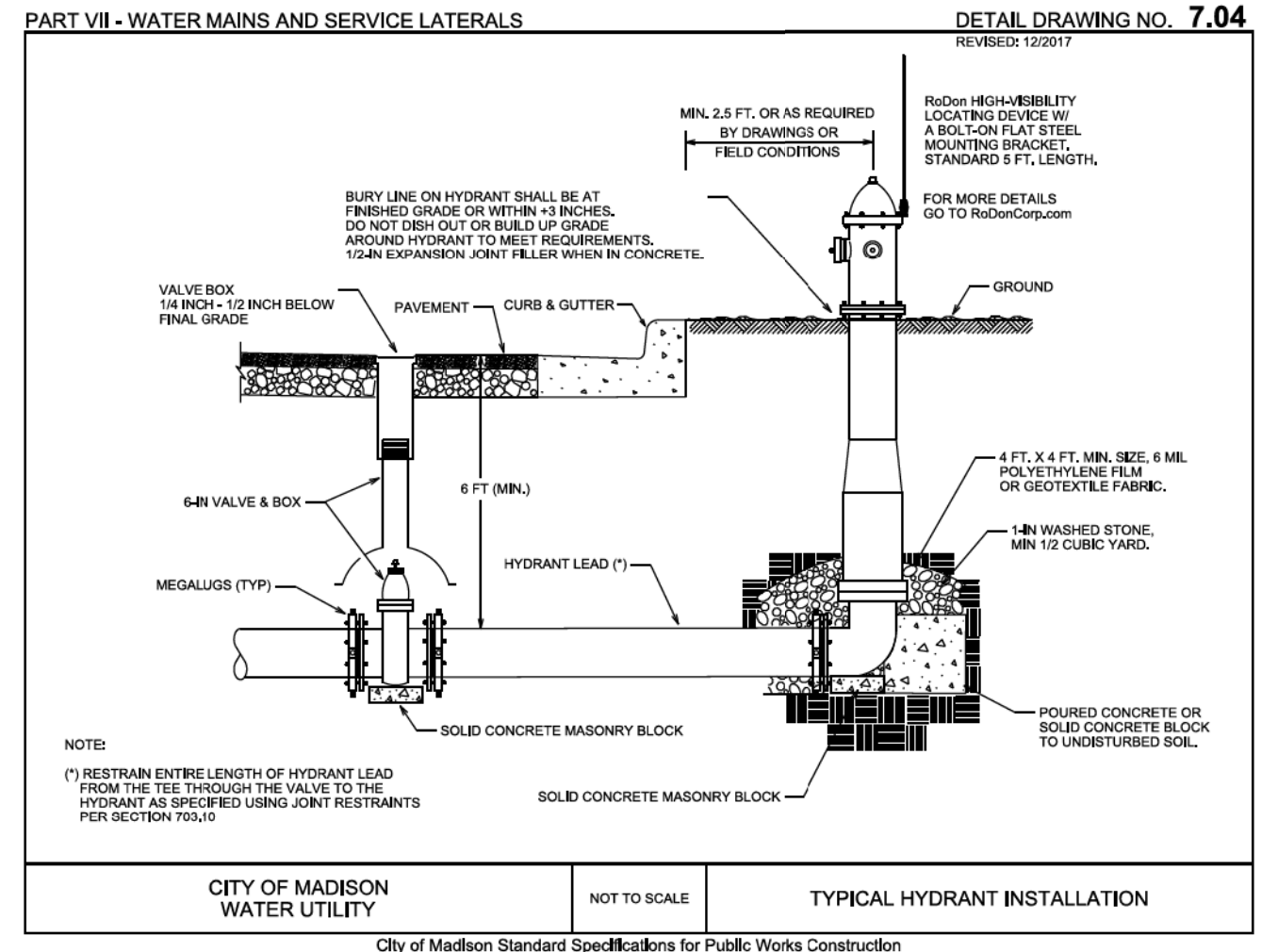
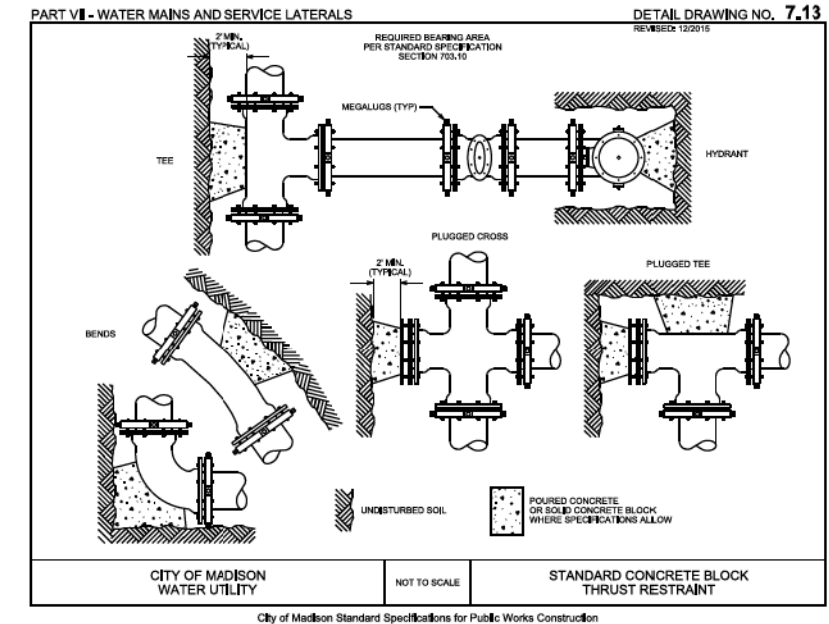
WATER MAINS	TOTAL
6-IN PIPE (LF)	120
8-IN PIPE (LF)	2040
12-IN PIPE (LF)	1040
POLY WRAP (LF)	2400
6-IN VALVES & BOXES	4
8-IN VALVES & BOXES	10
12-IN VALVES & BOXES	2
12-IN X 6-IN TEES	3
12-IN X 8-IN TEES	1
12-IN X 12-IN TEES	1
8-IN X 8-IN TEES	3
8-IN X 6-IN TEES	4
8-IN MJ PLUGS	2
12-IN MJ PLUGS	1
12-IN X 8-IN CROSSES	1
8-IN MJ CAPS	2
5-IN HYDRANTS	7
1-IN COPPER TUBING	AS REQ

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

WATTS RD: WESTBOUND

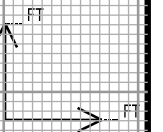
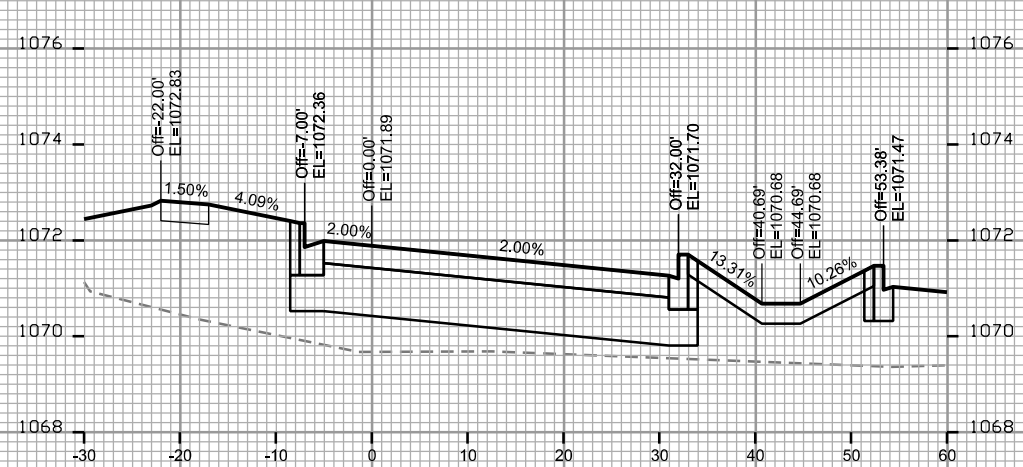
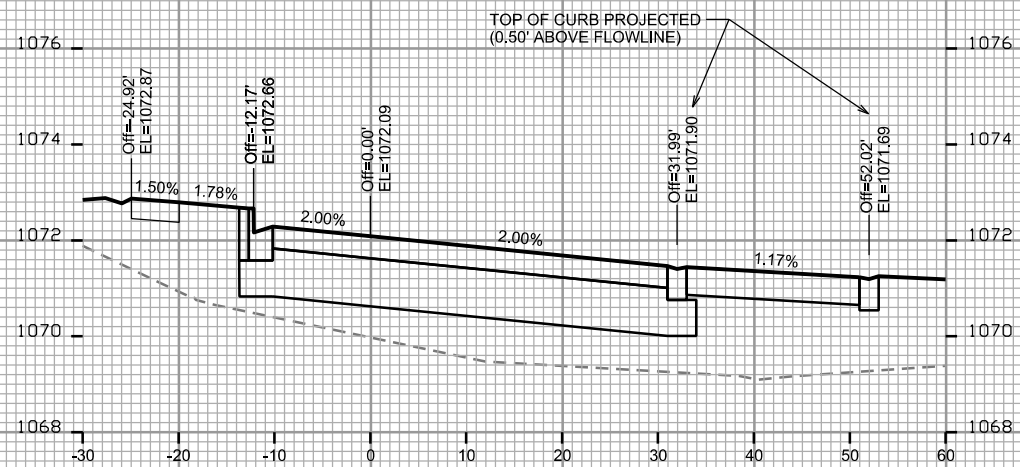
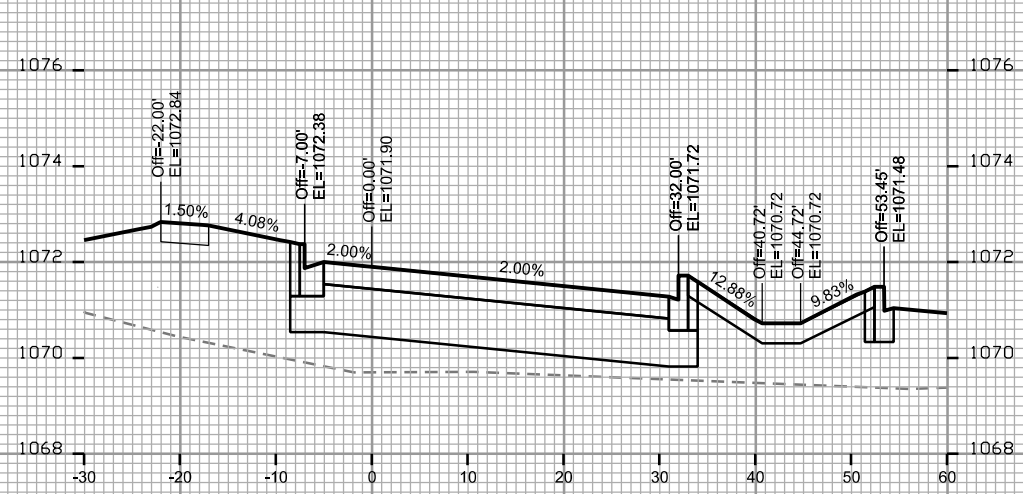
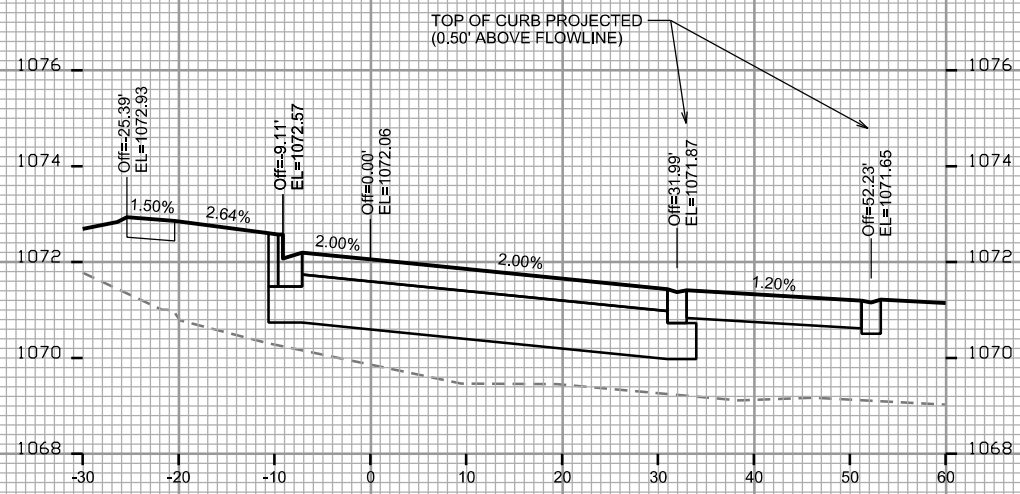
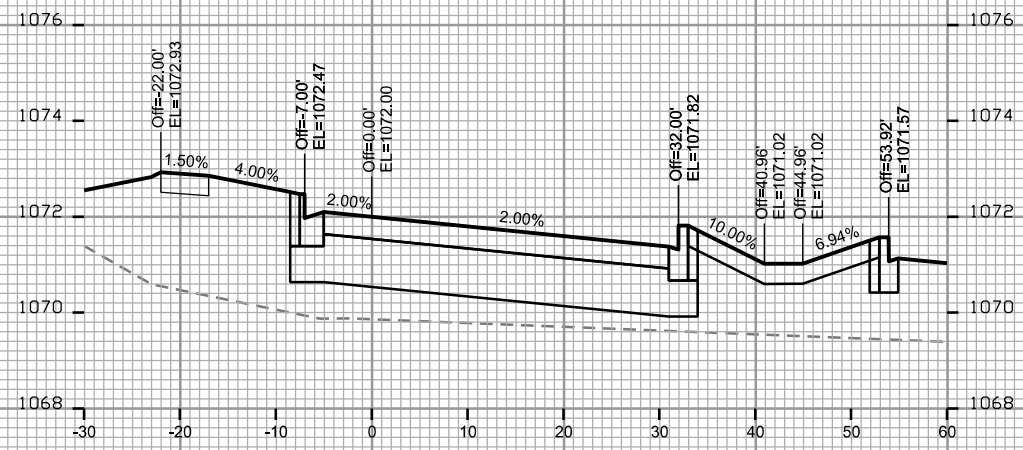
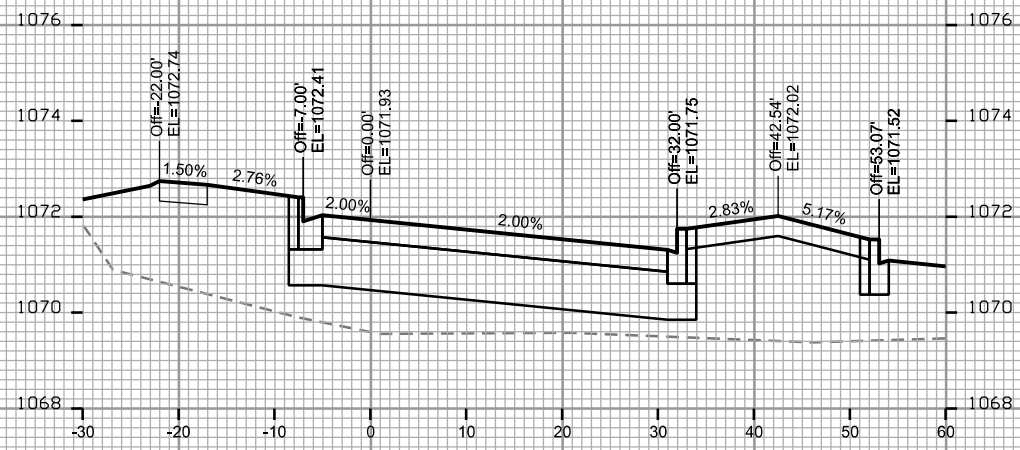
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

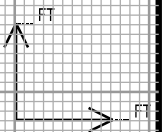
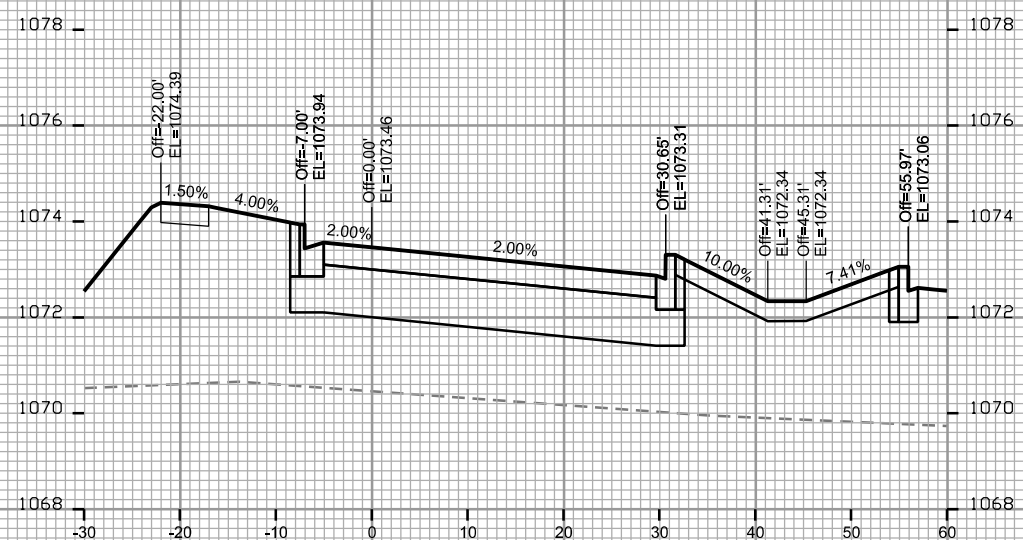
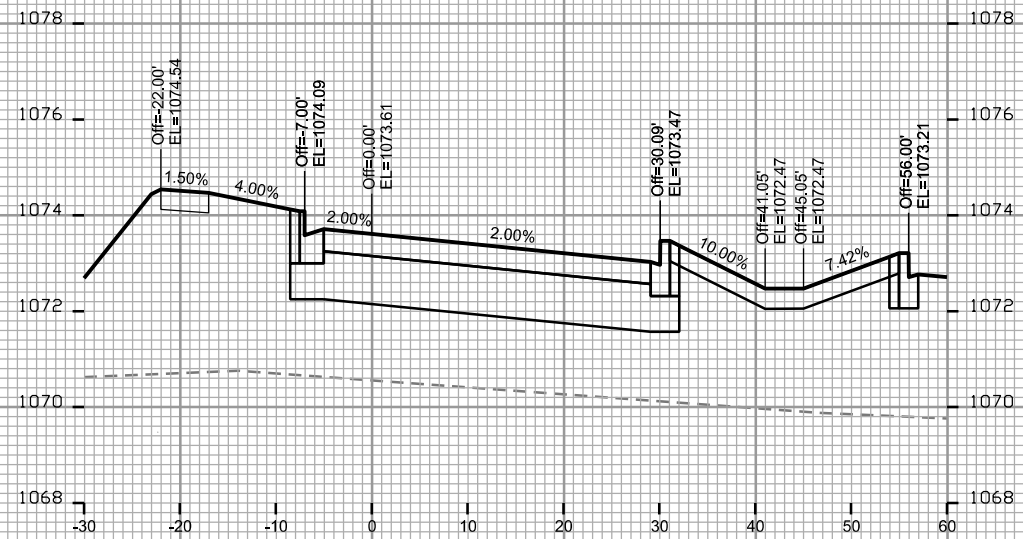
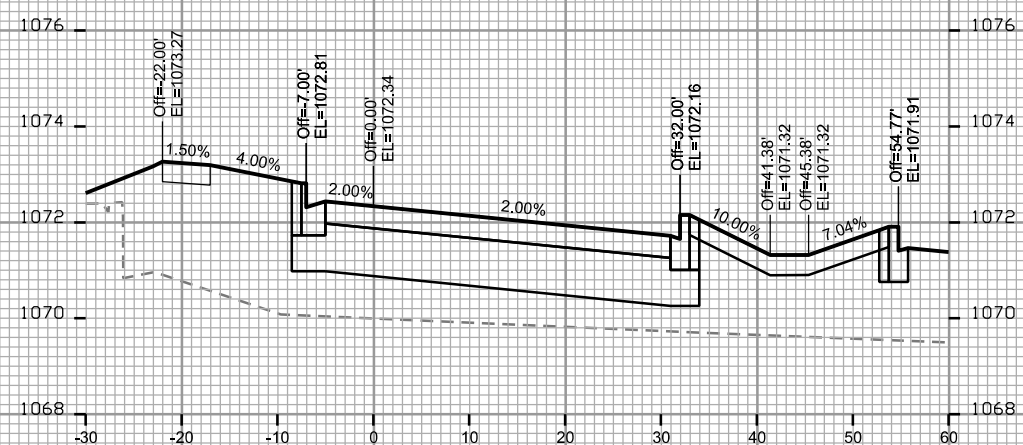
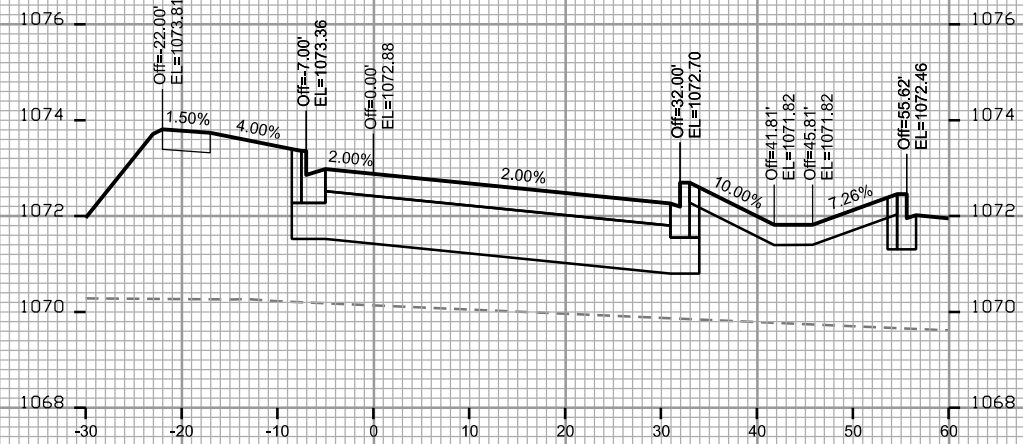
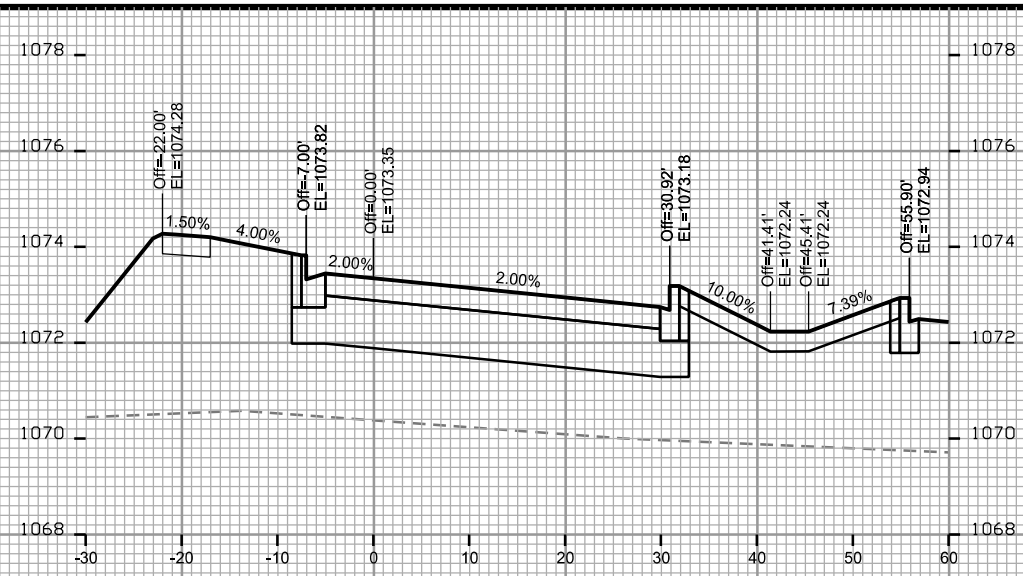
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

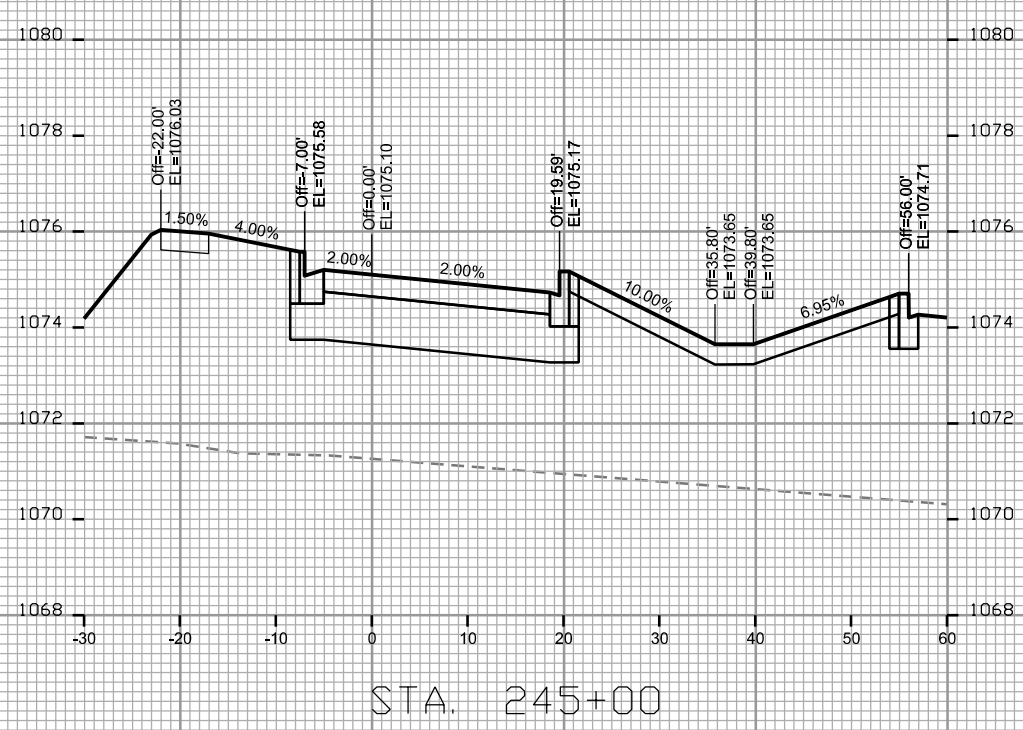
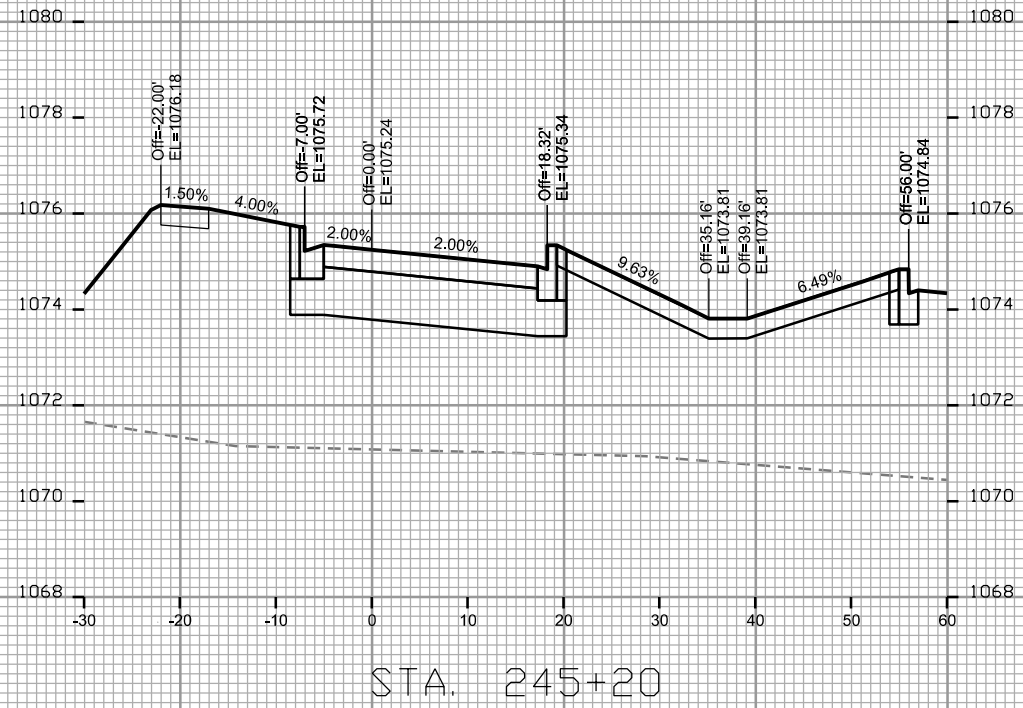
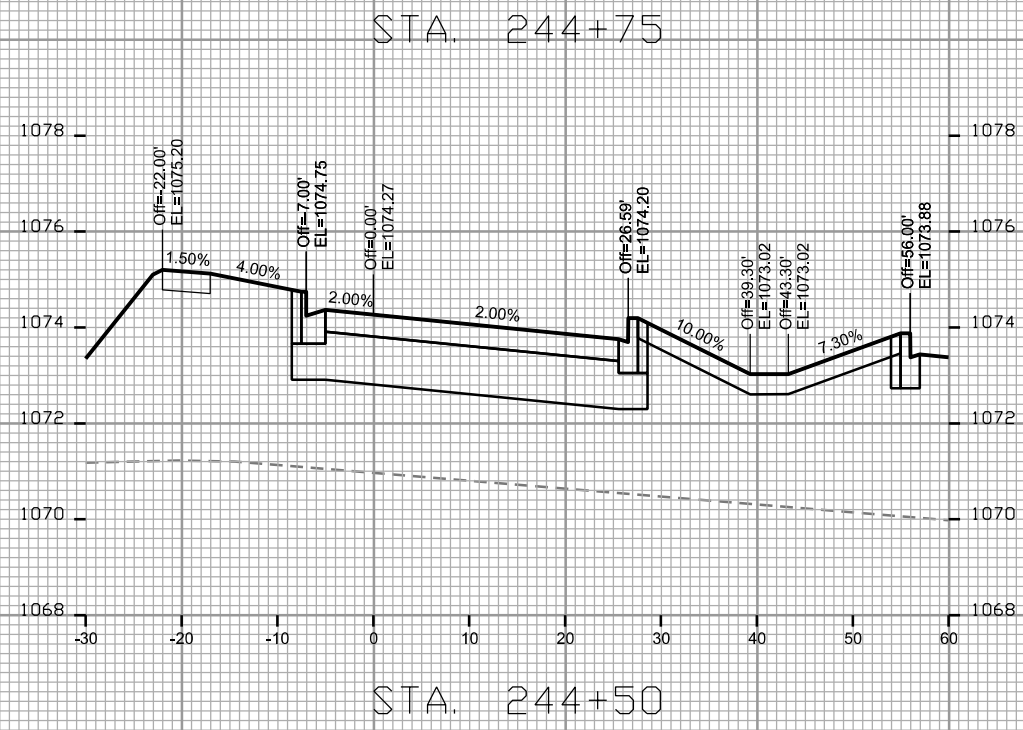
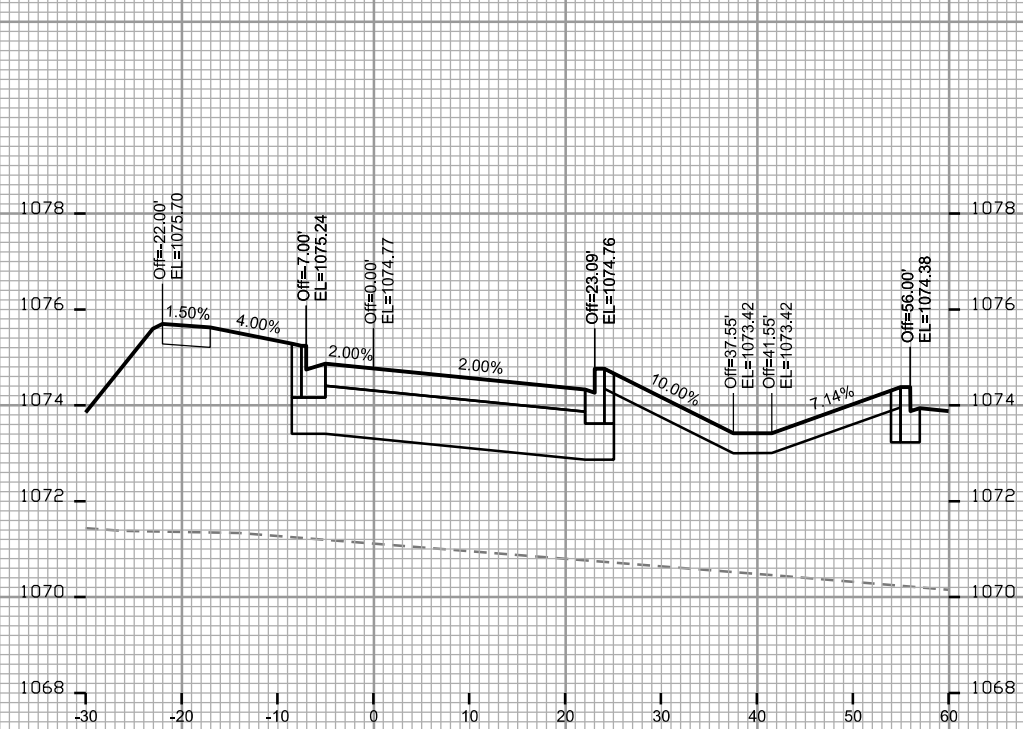
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

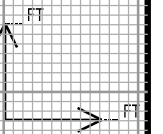
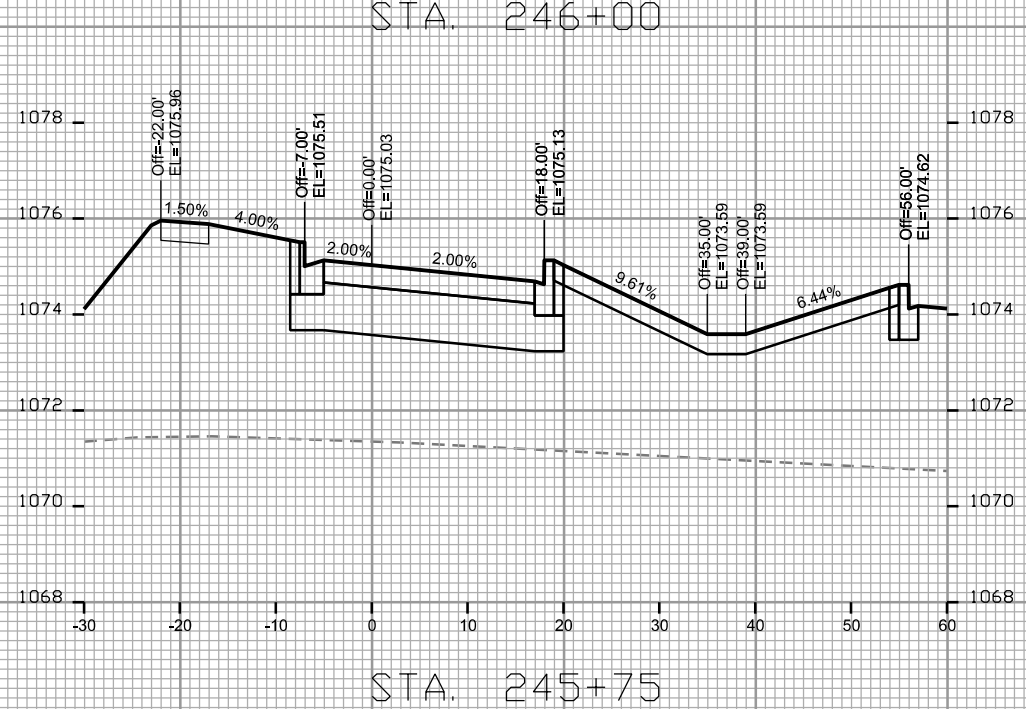
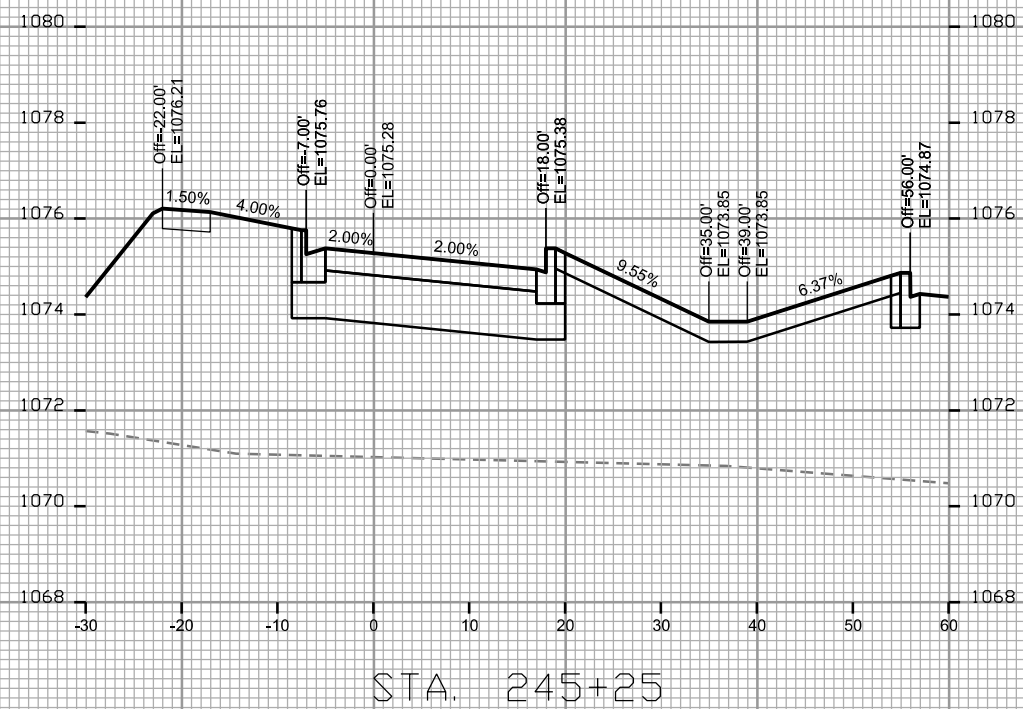
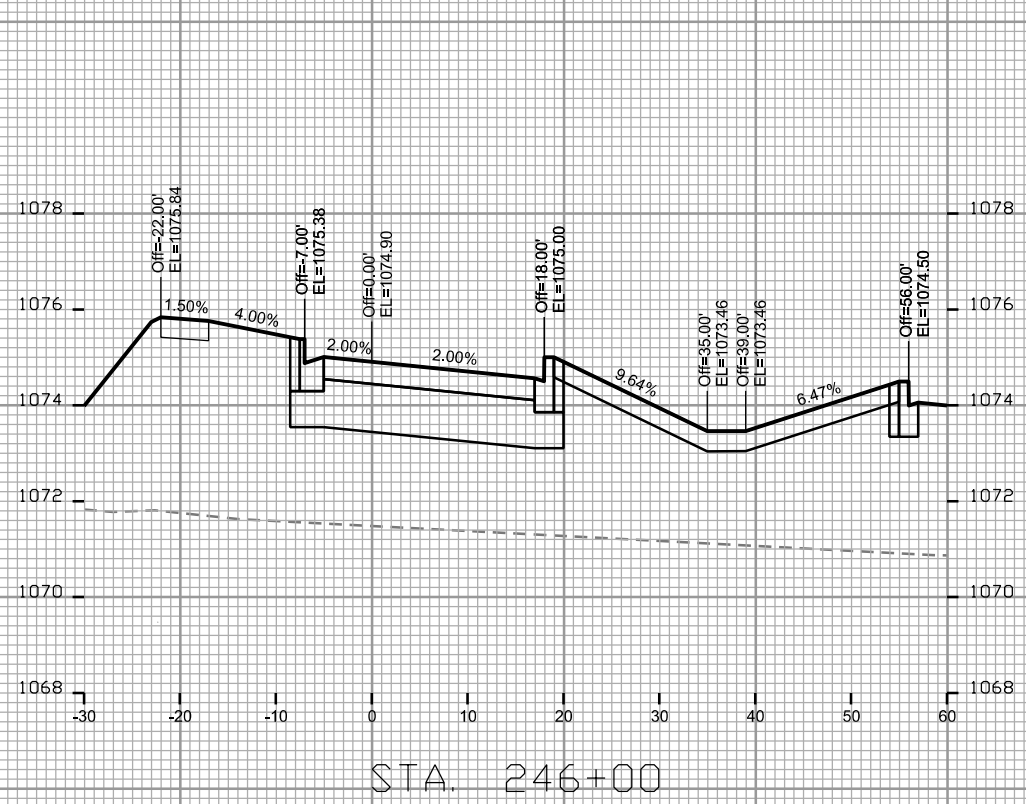
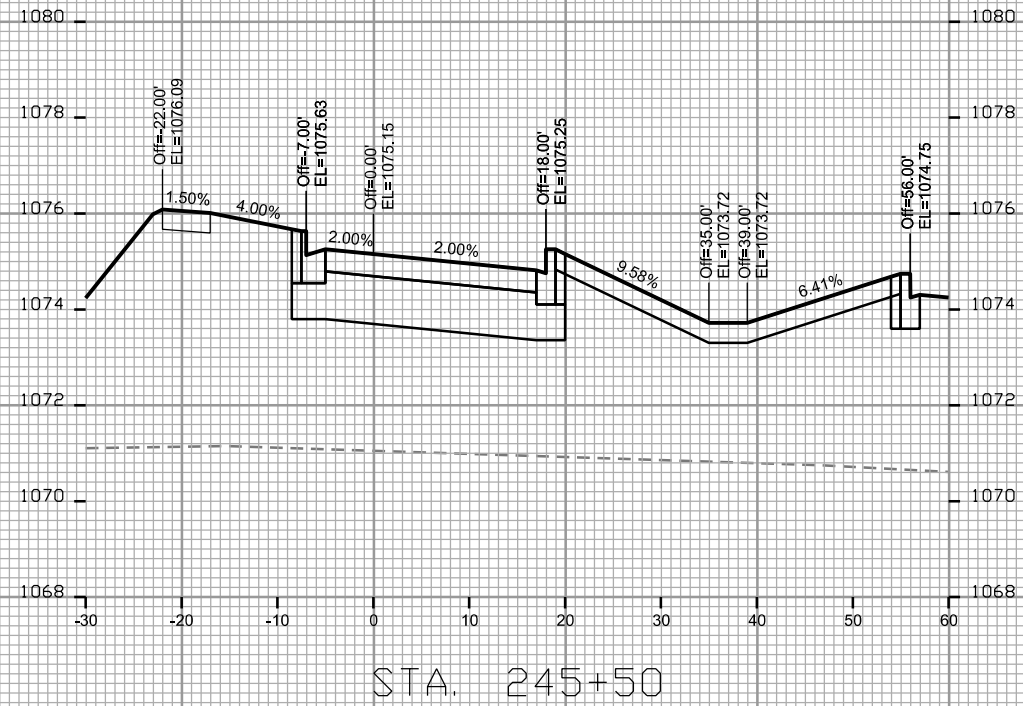
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

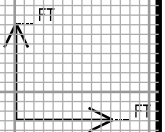
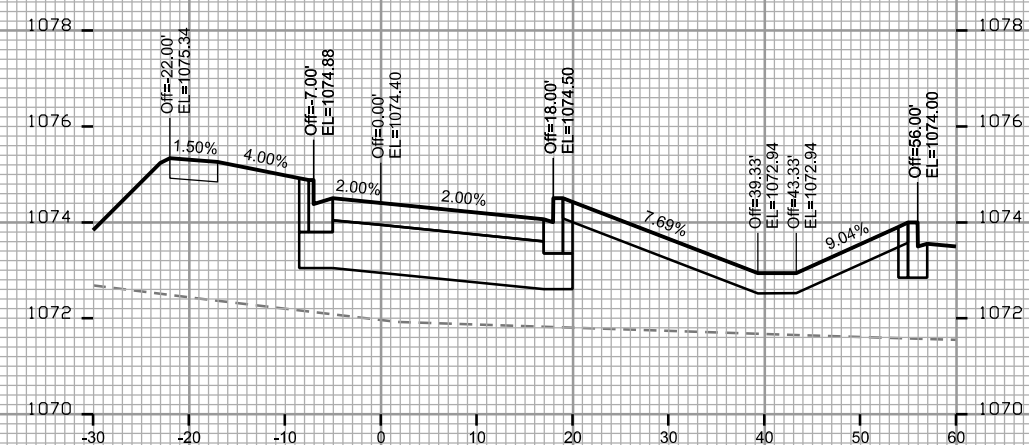
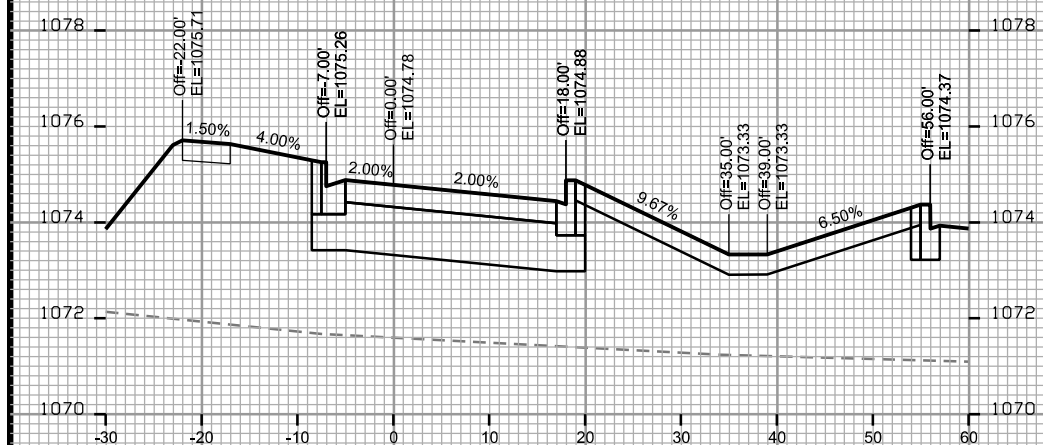
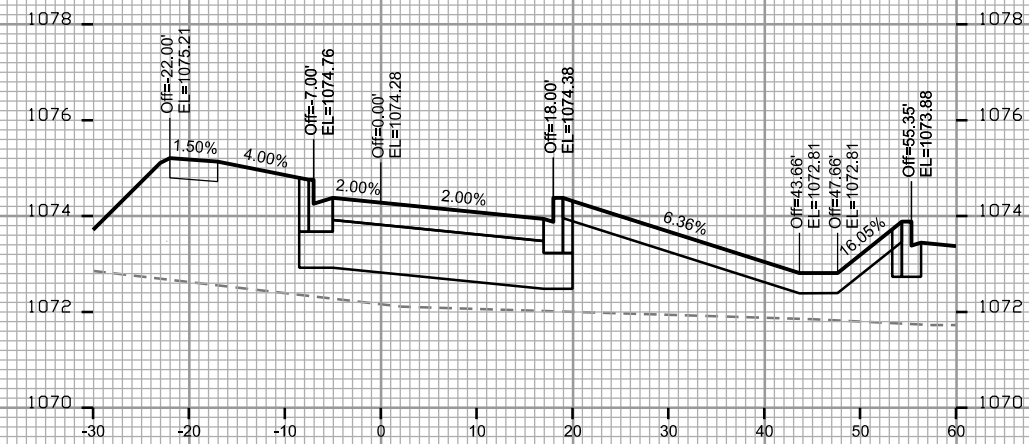
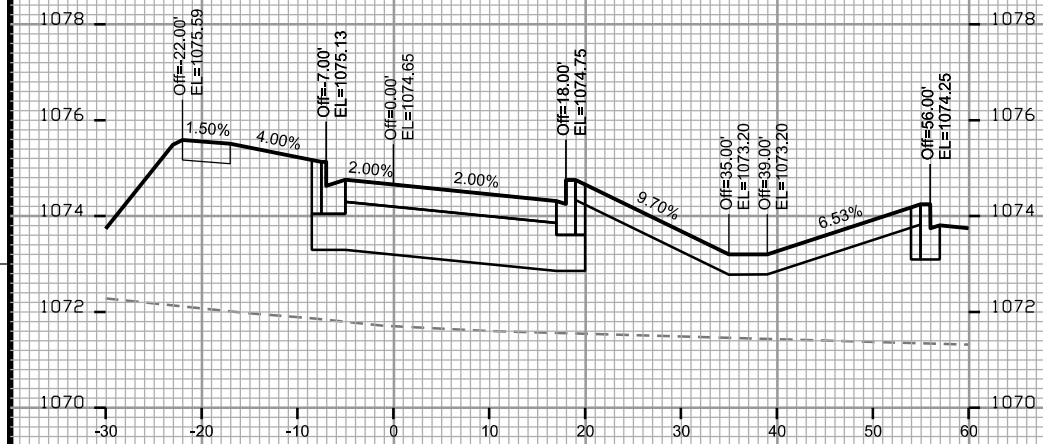
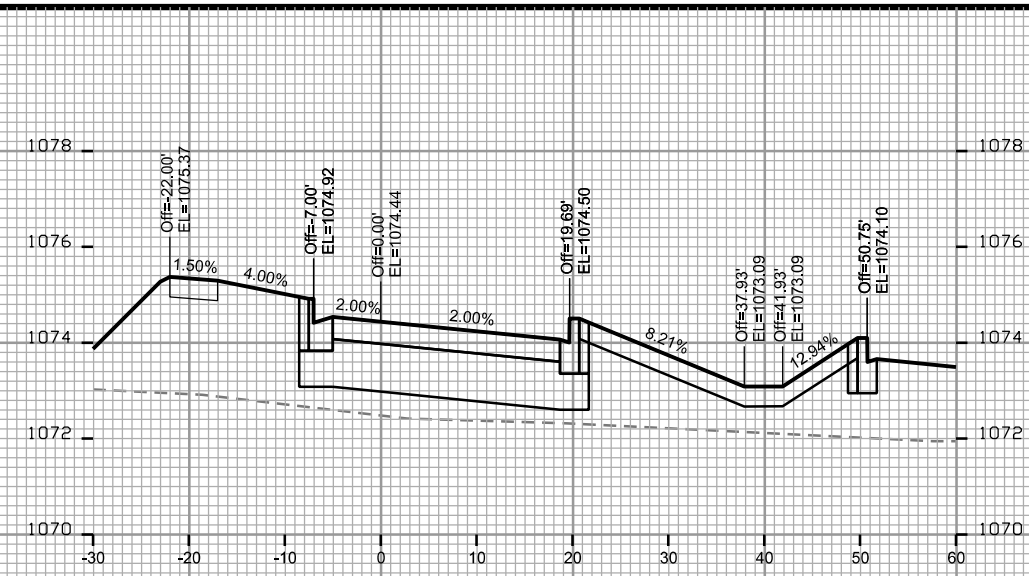
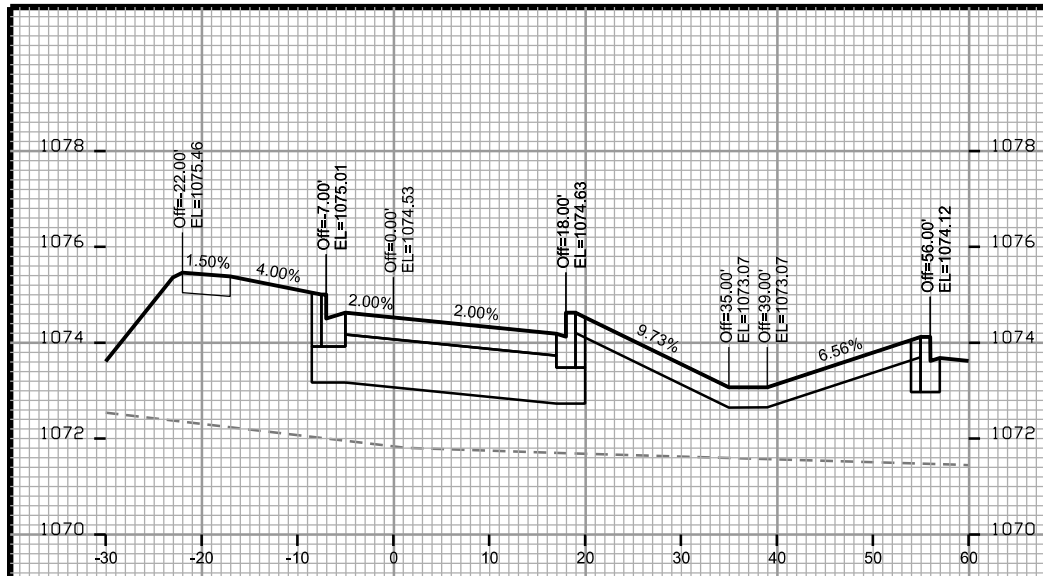
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

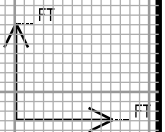
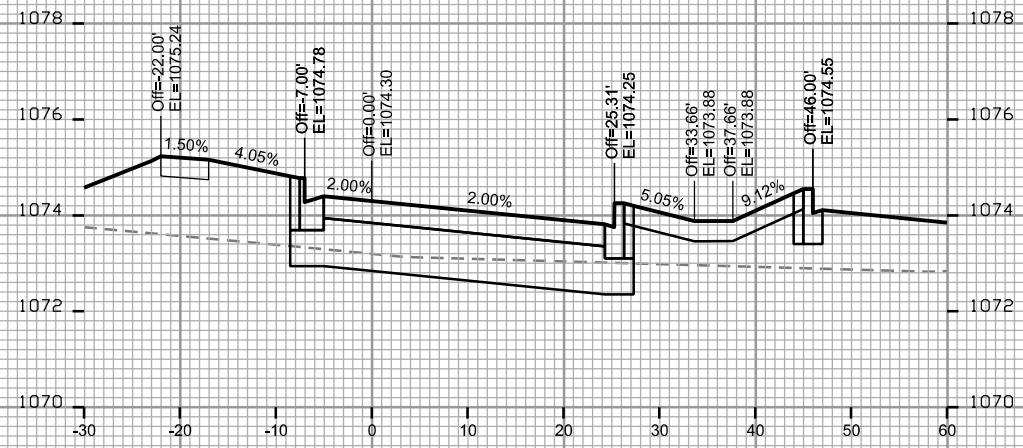
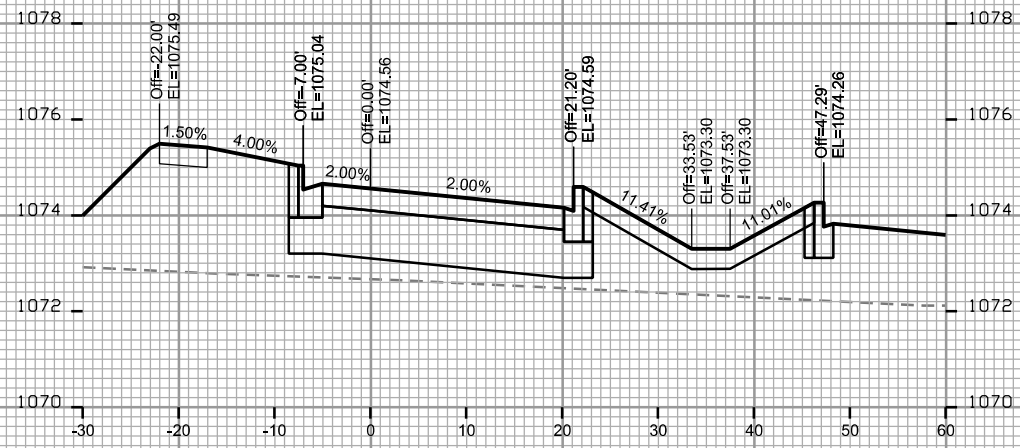
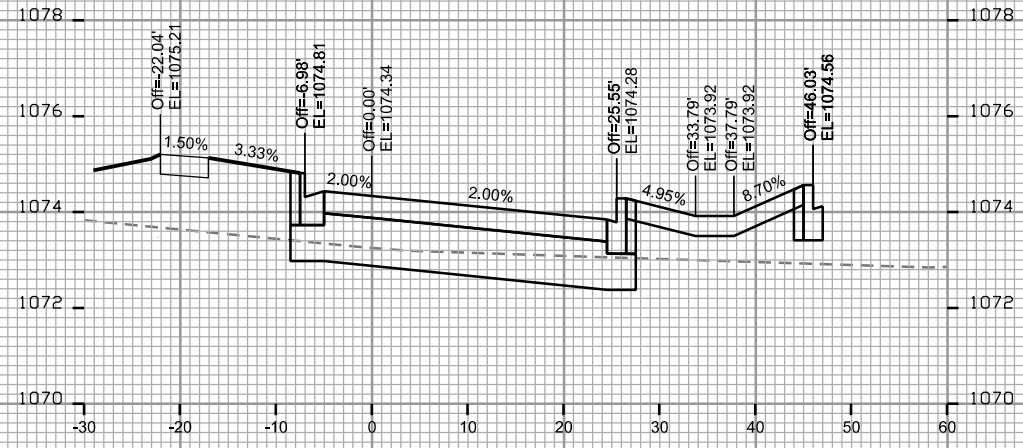
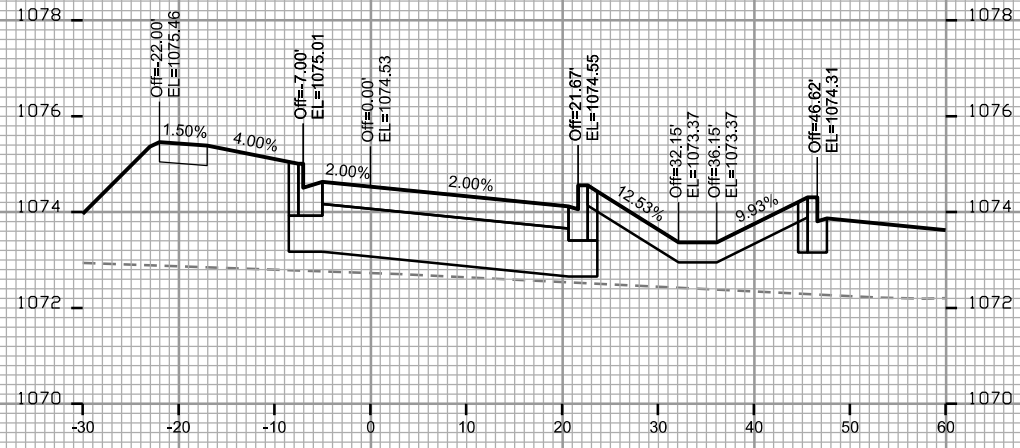
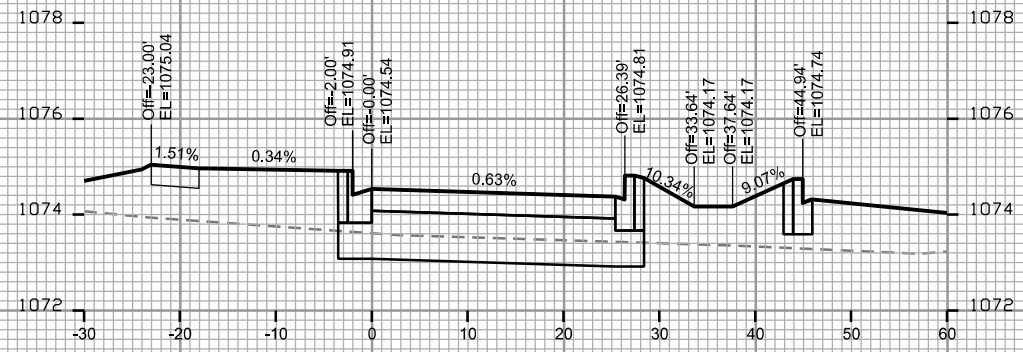
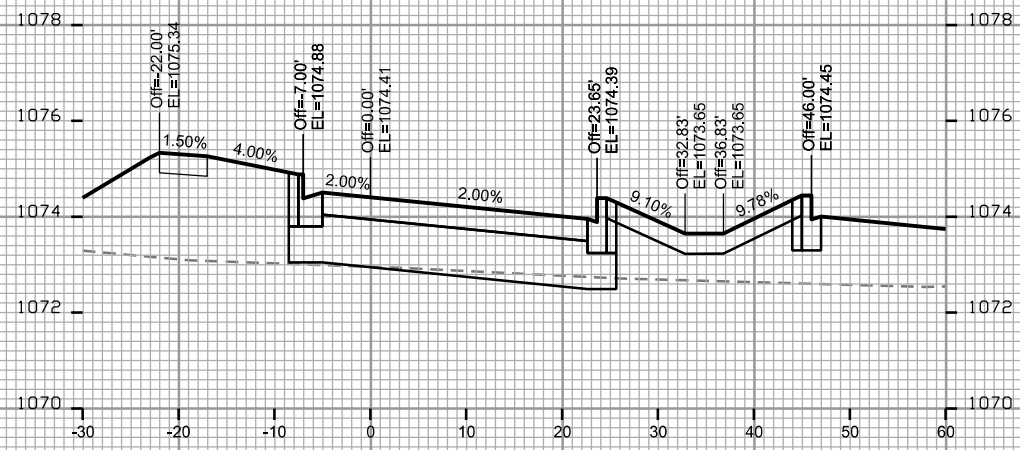
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

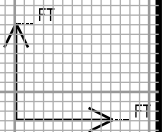
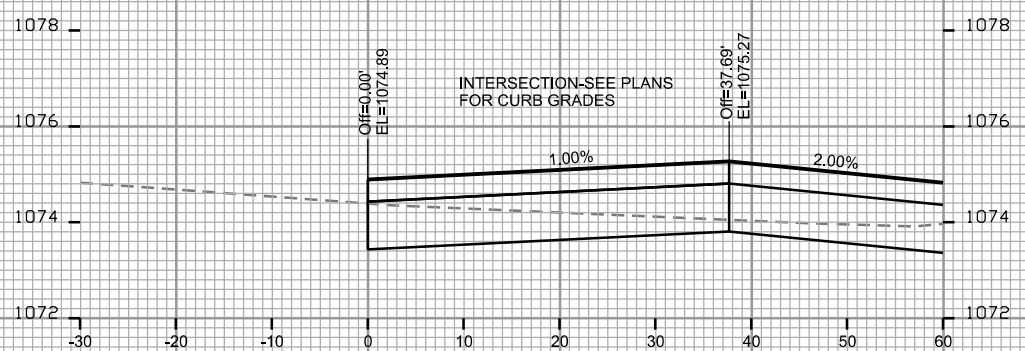
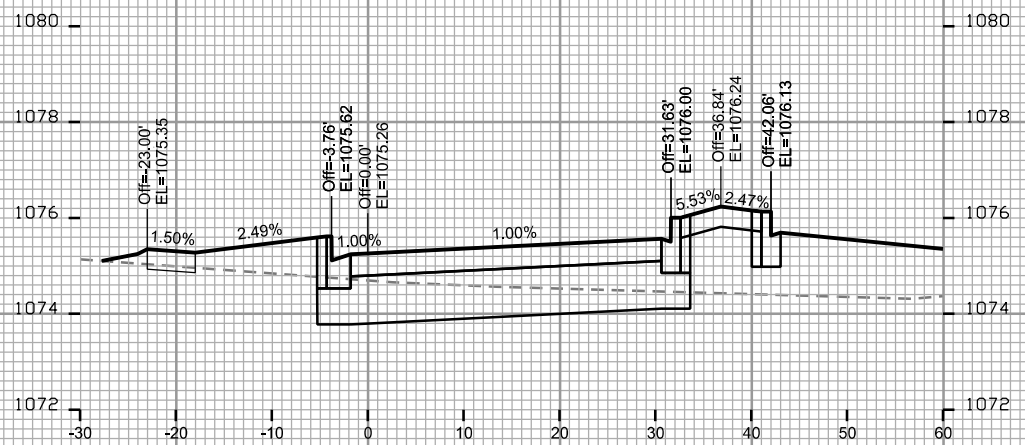
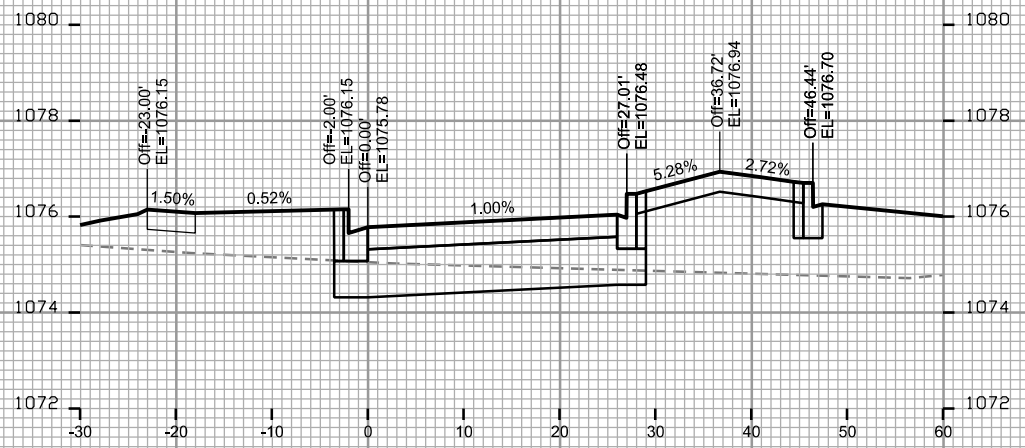
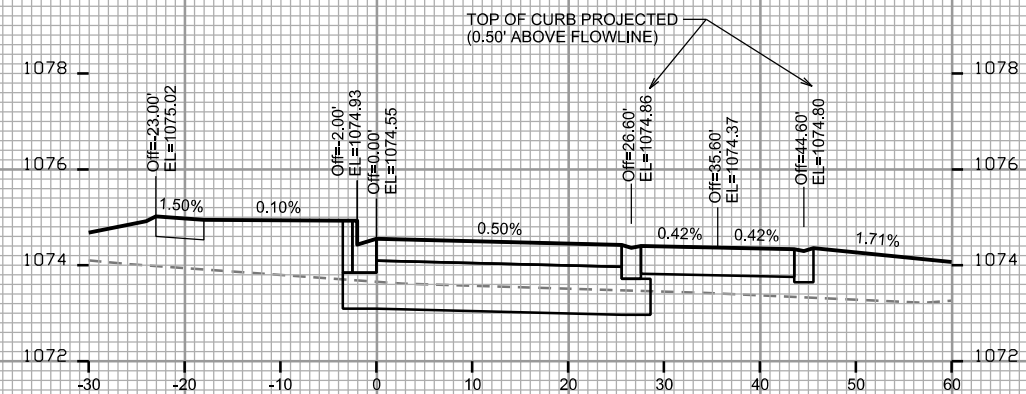
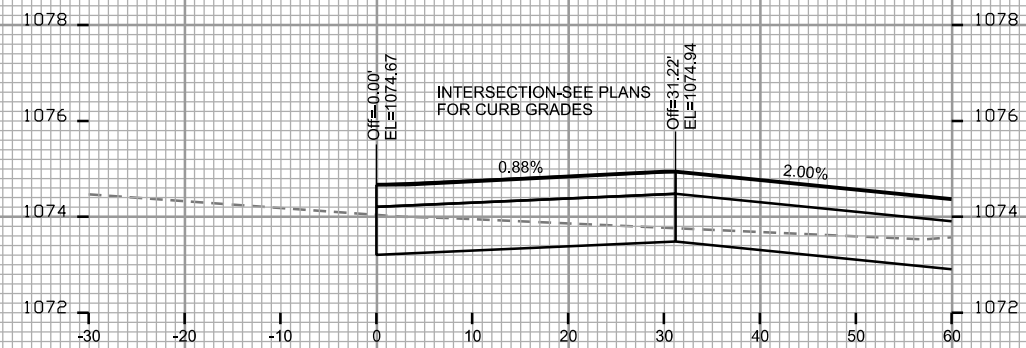
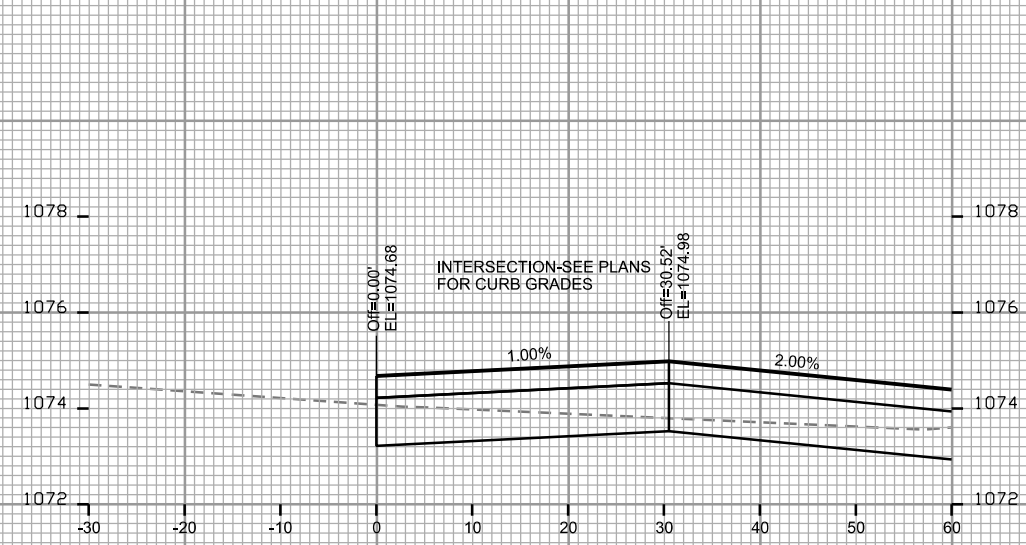
WATTS RD: WESTBOUND CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

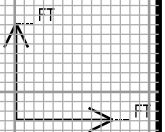
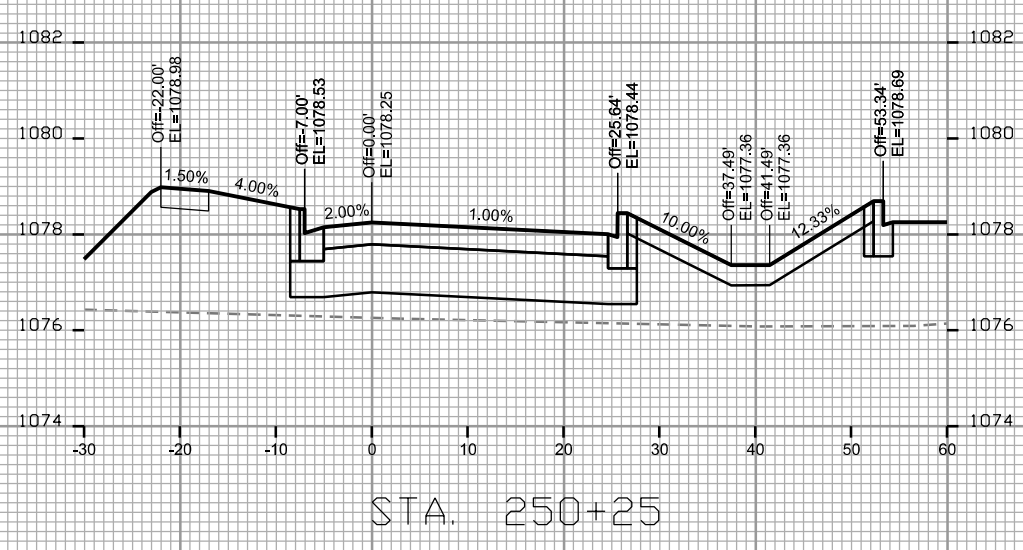
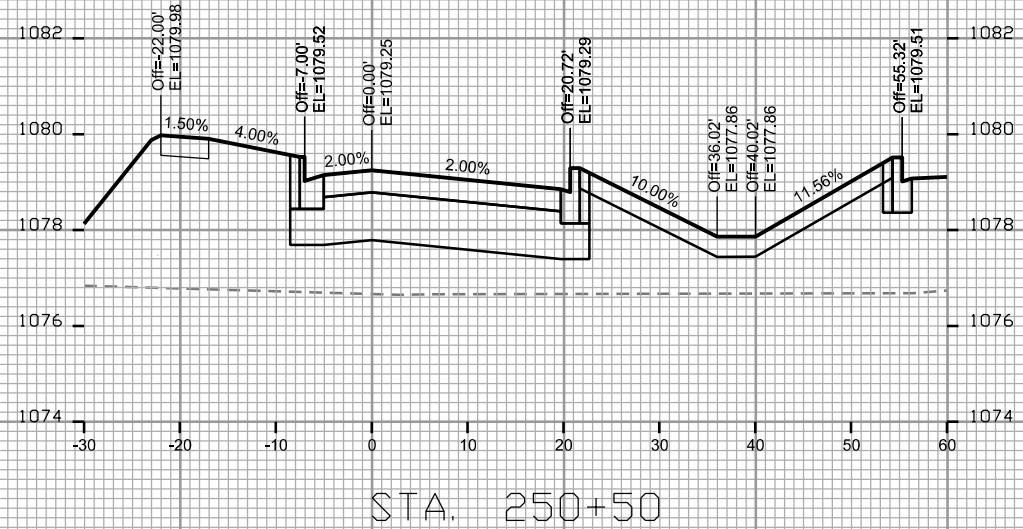
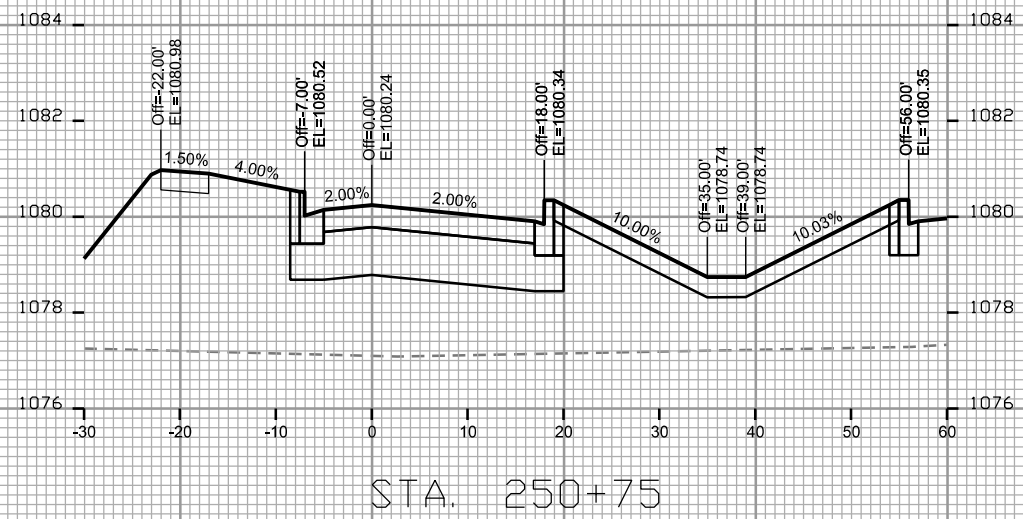
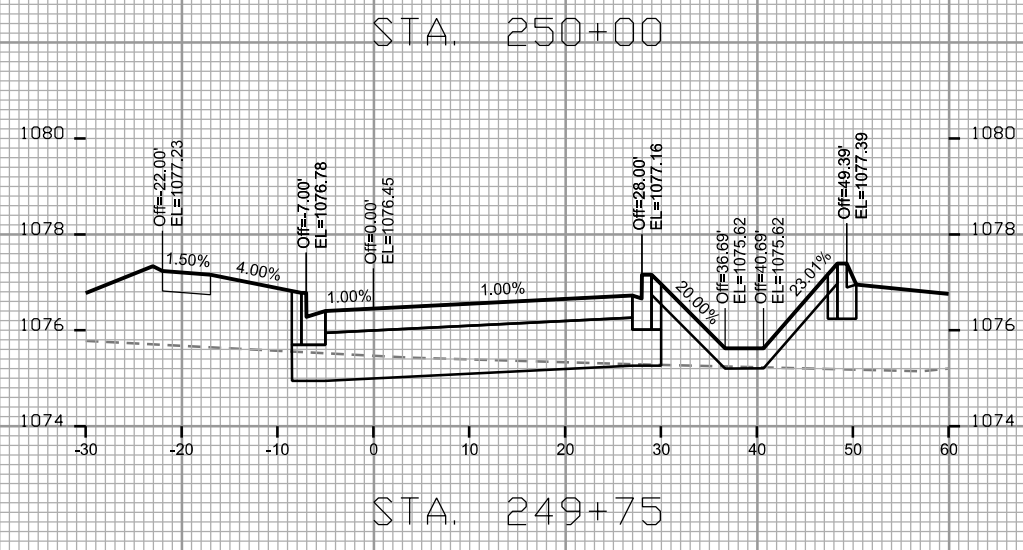
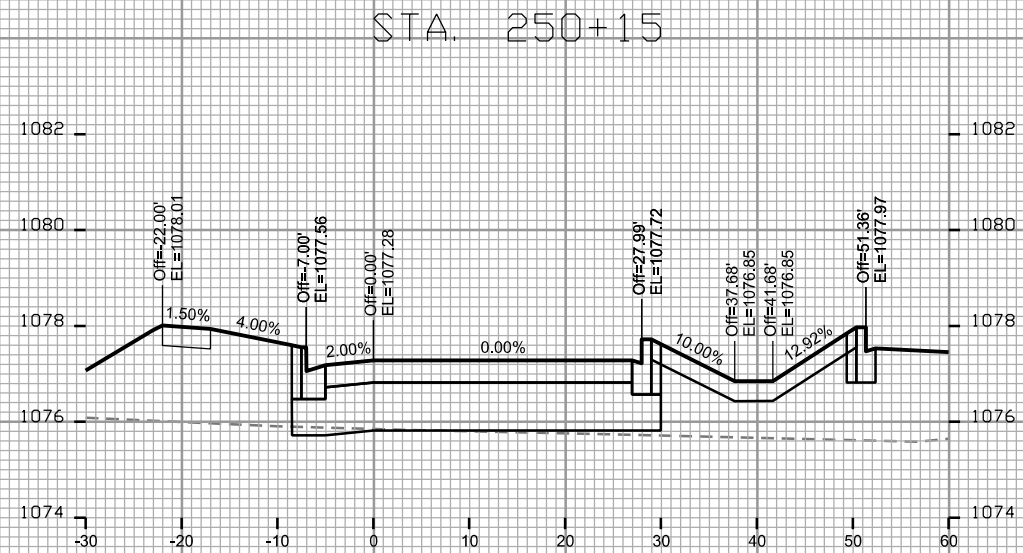
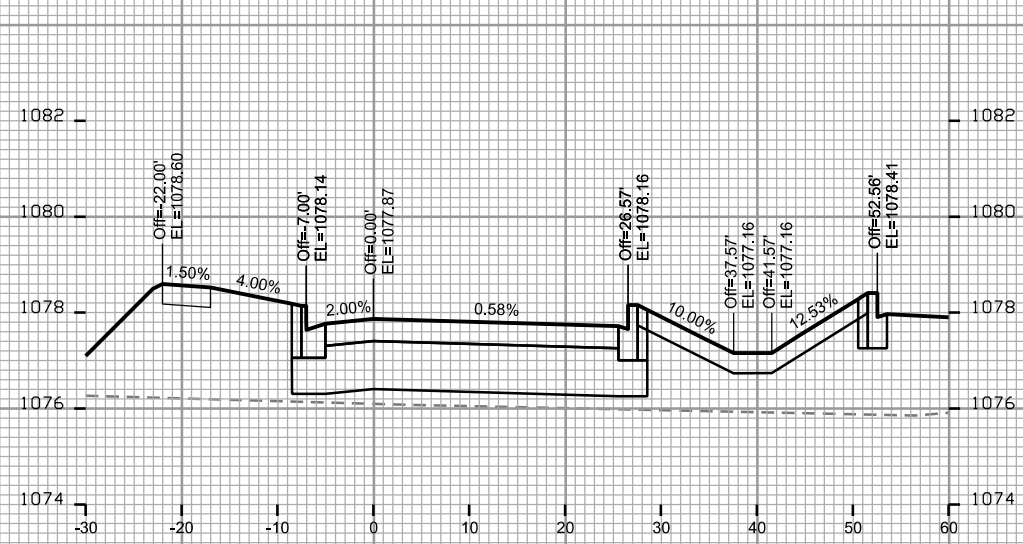
WATTS RD: WESTBOUND CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

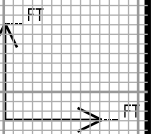
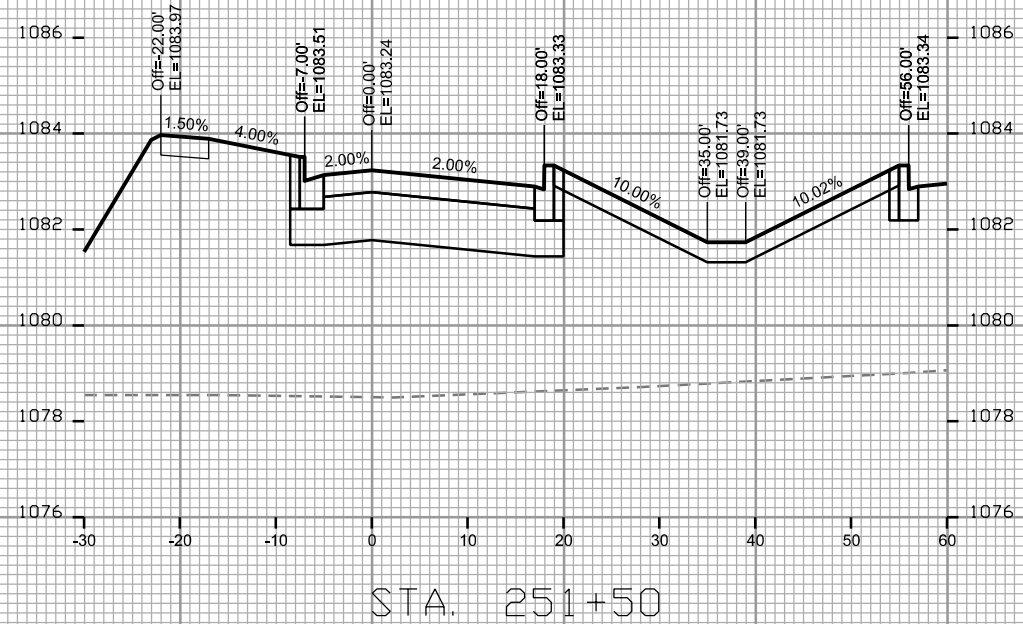
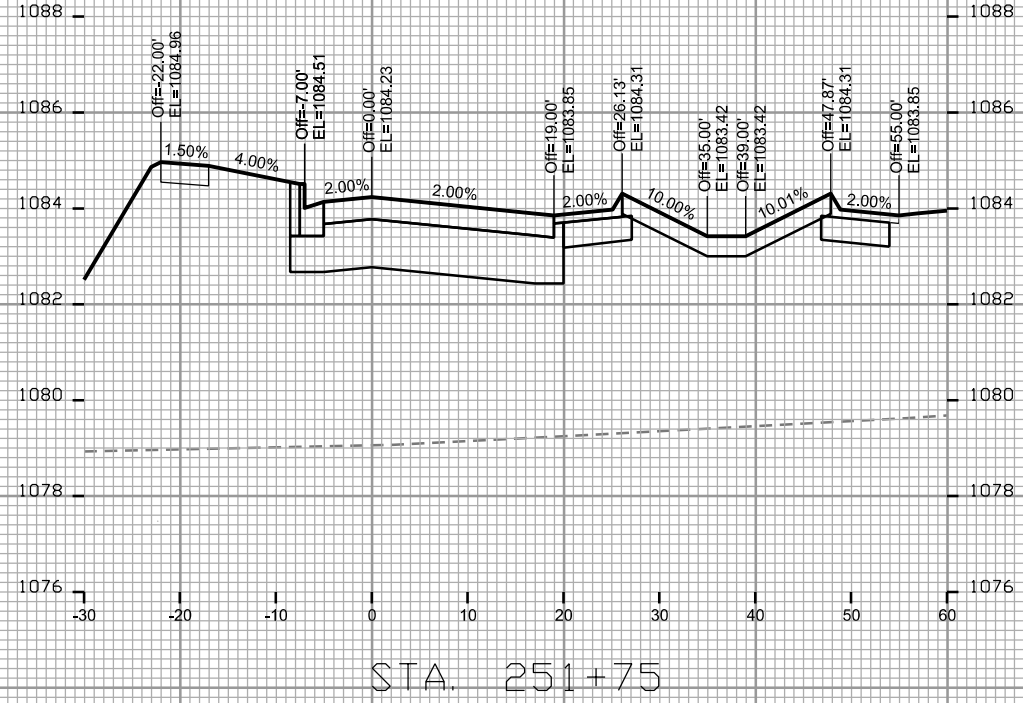
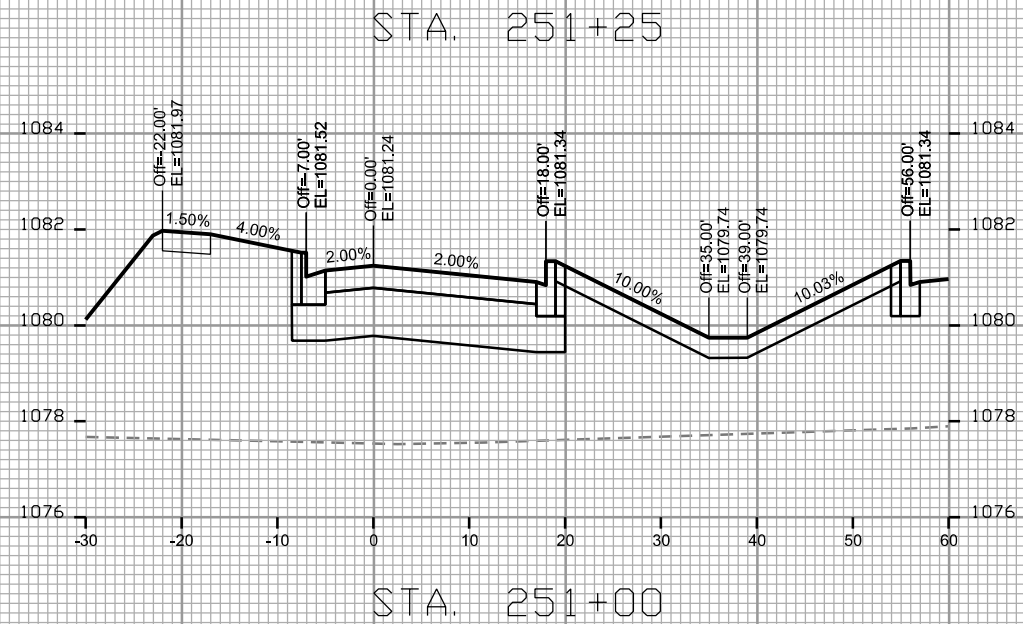
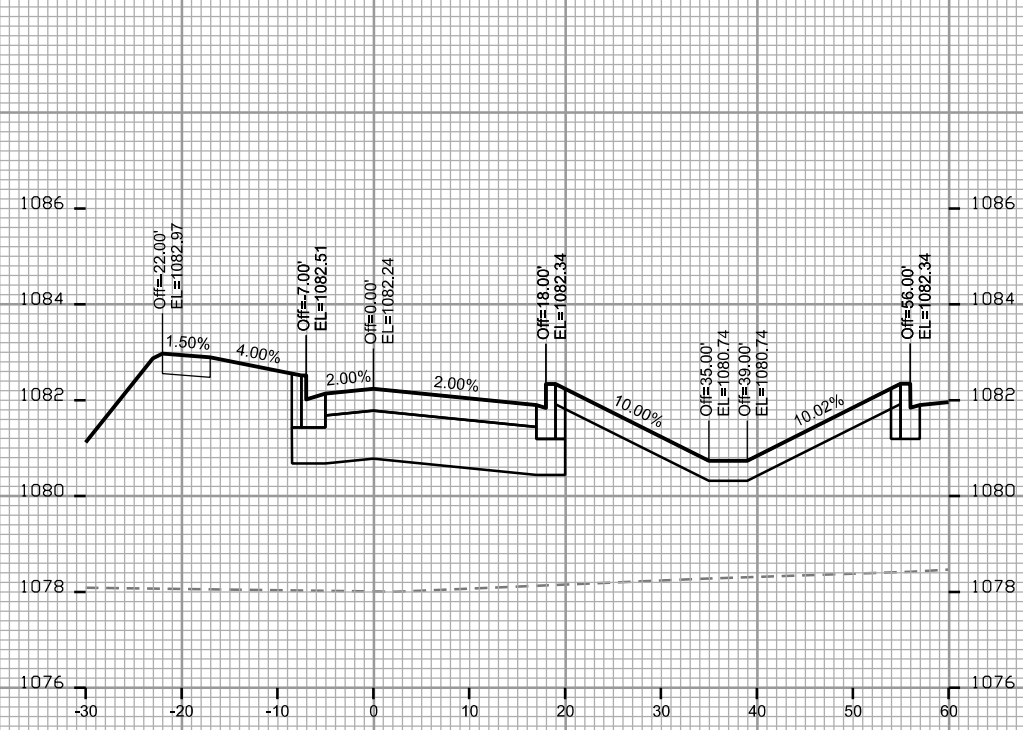
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: WESTBOUND

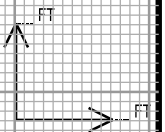
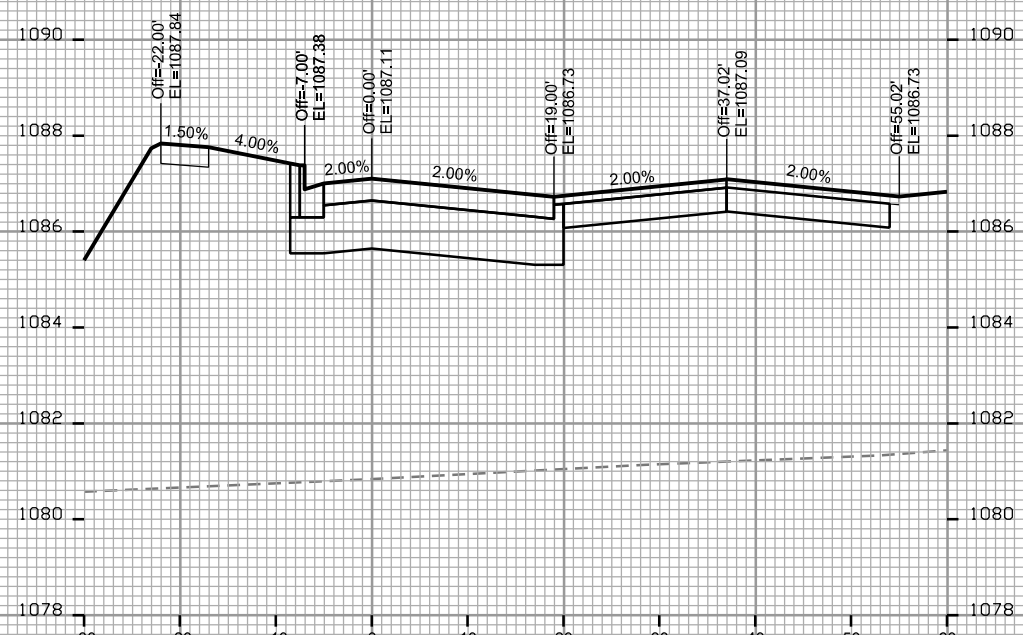
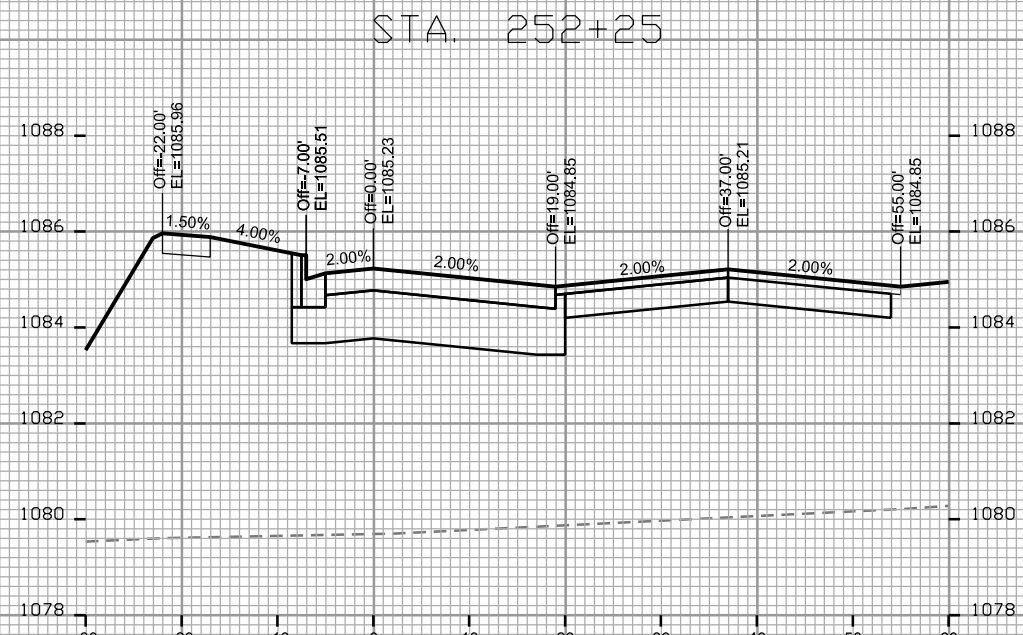
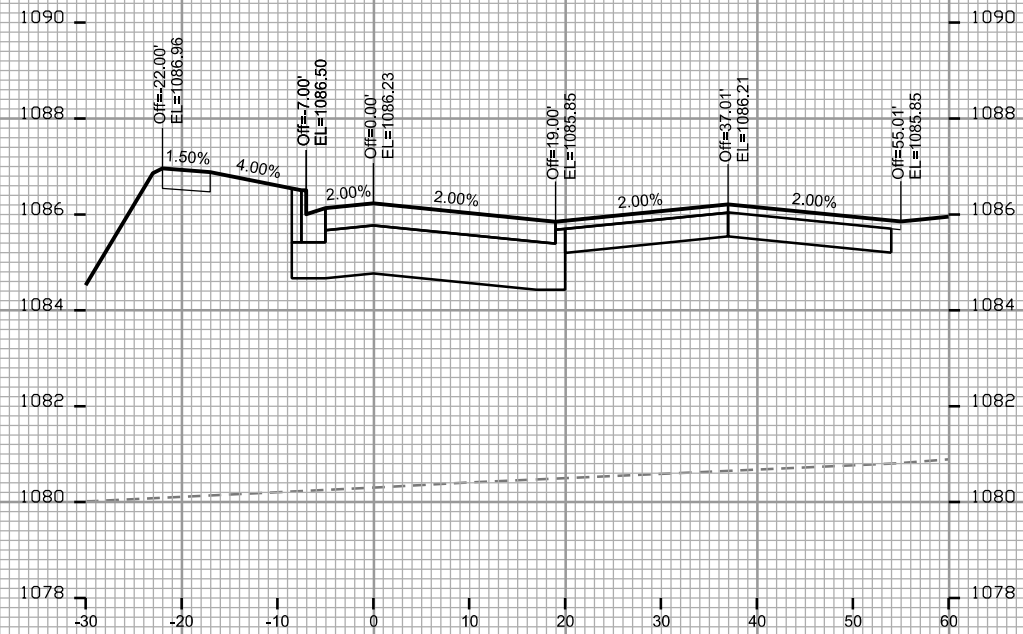
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

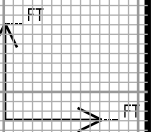
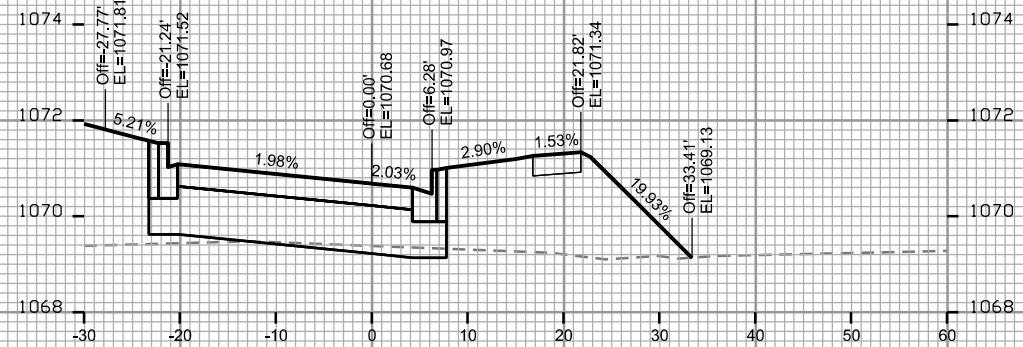
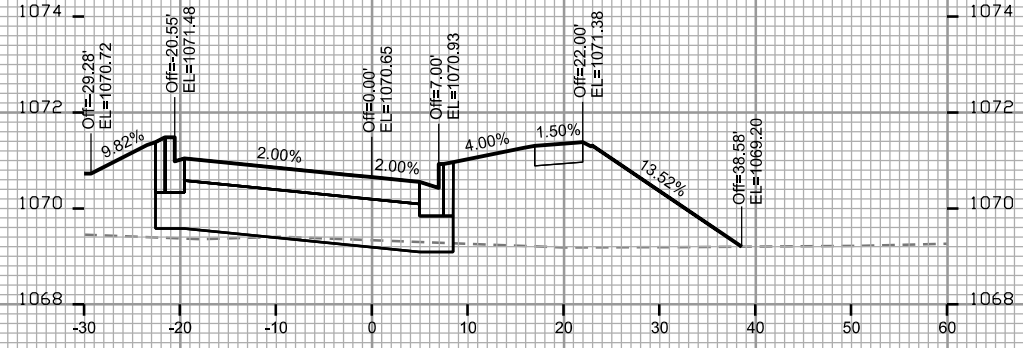
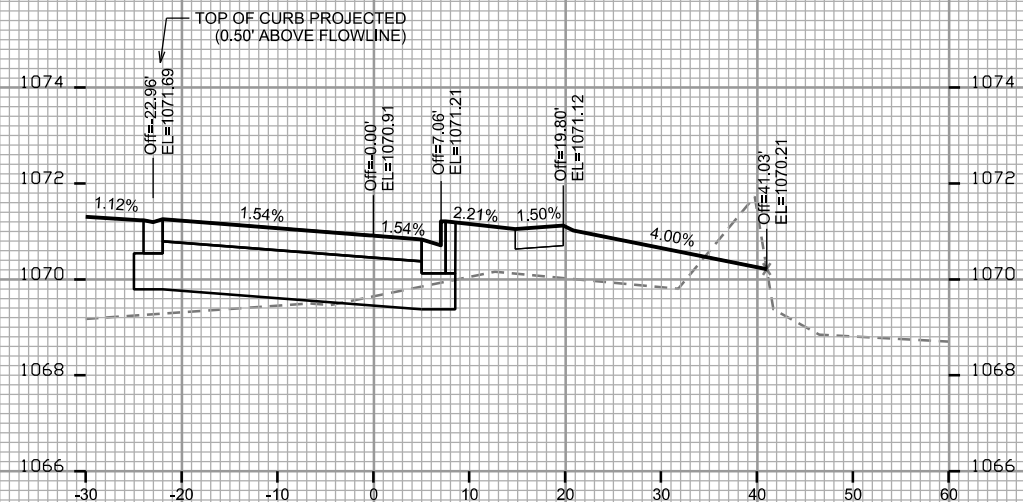
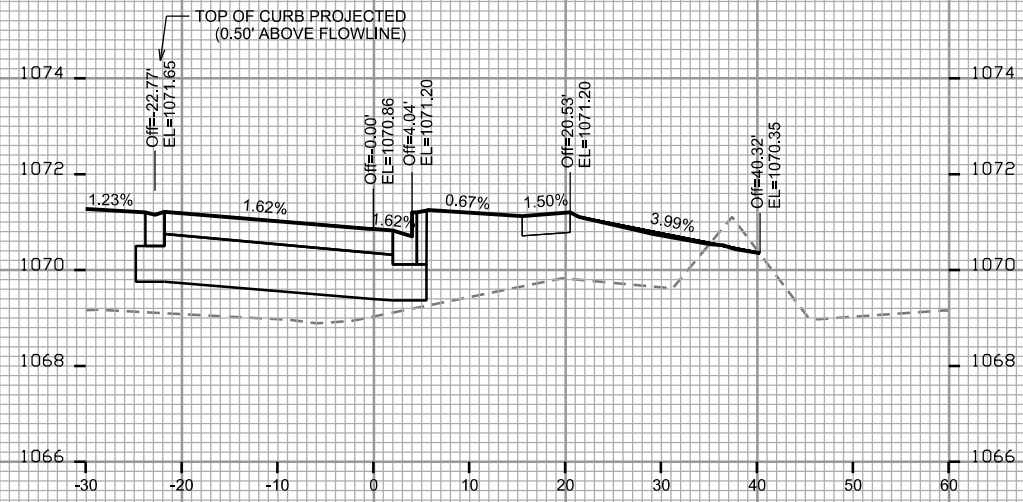
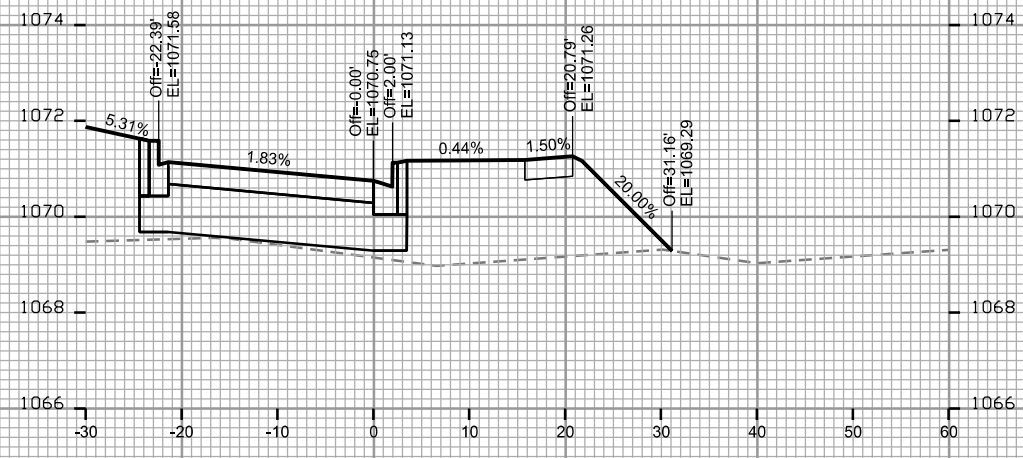
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

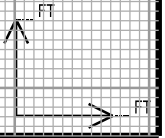
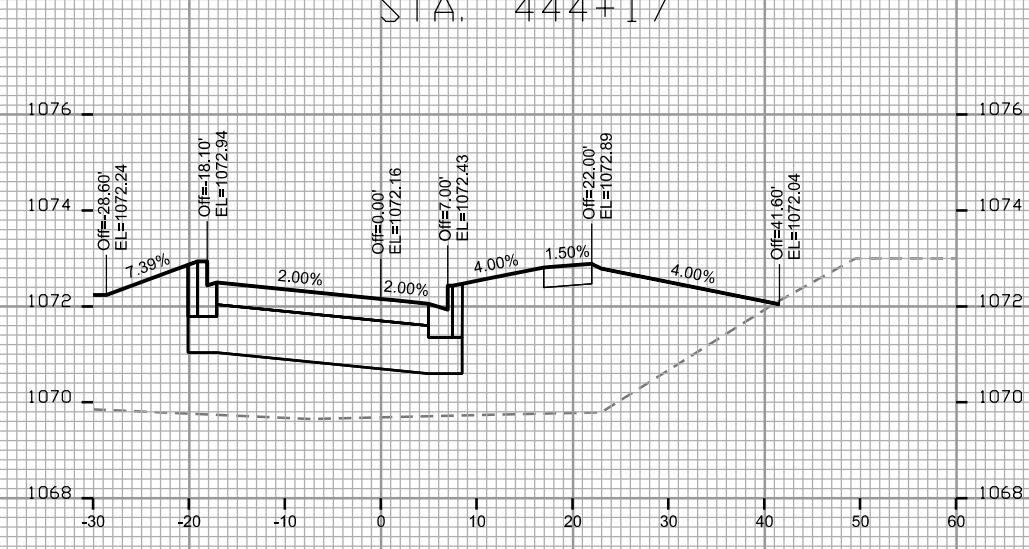
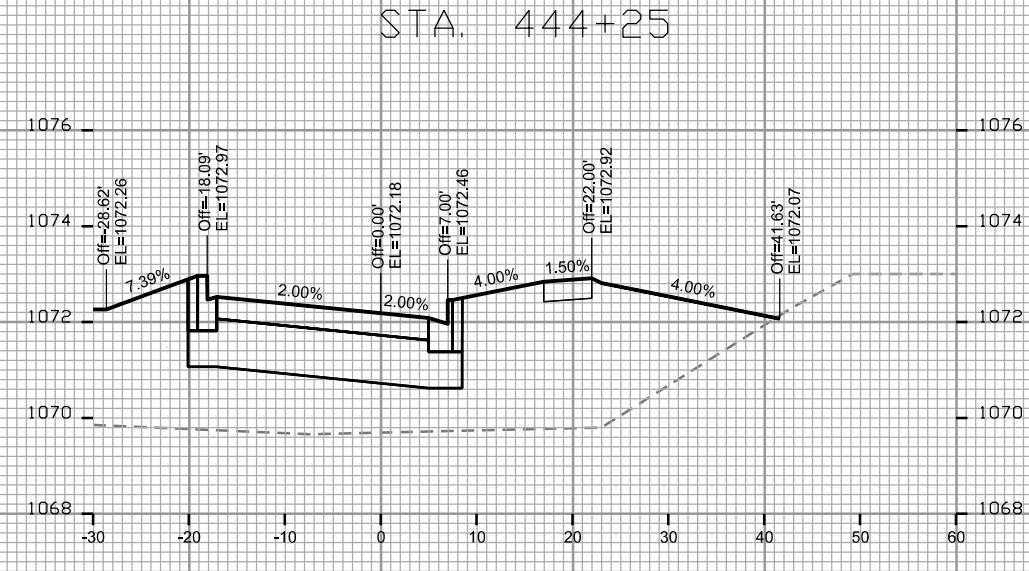
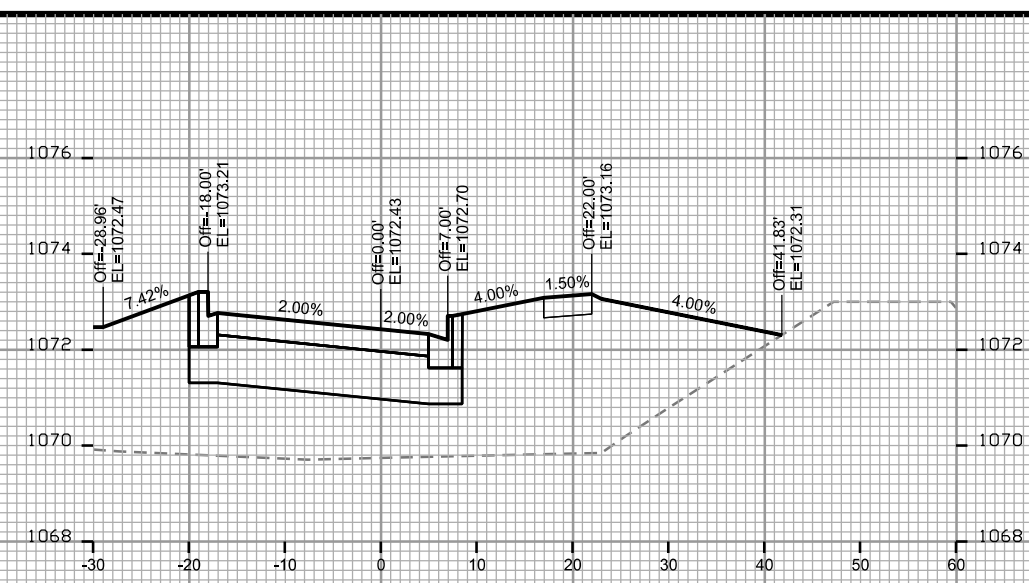
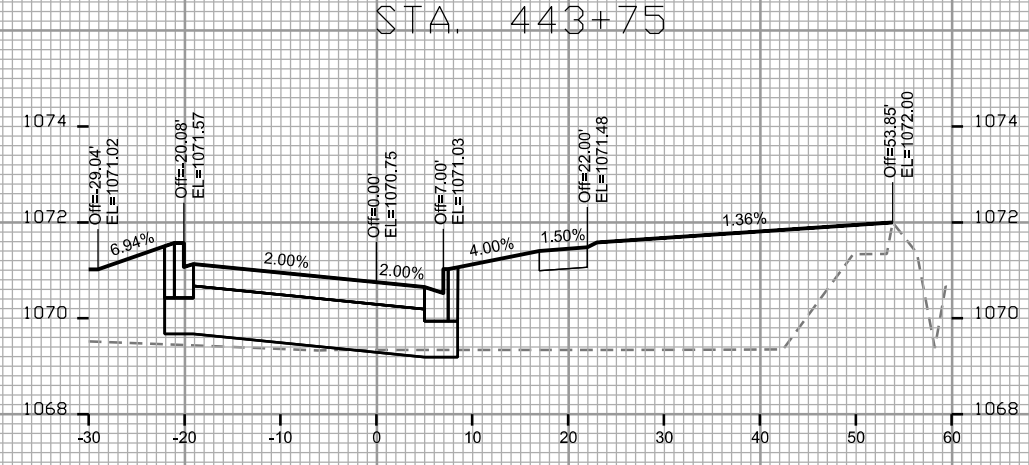
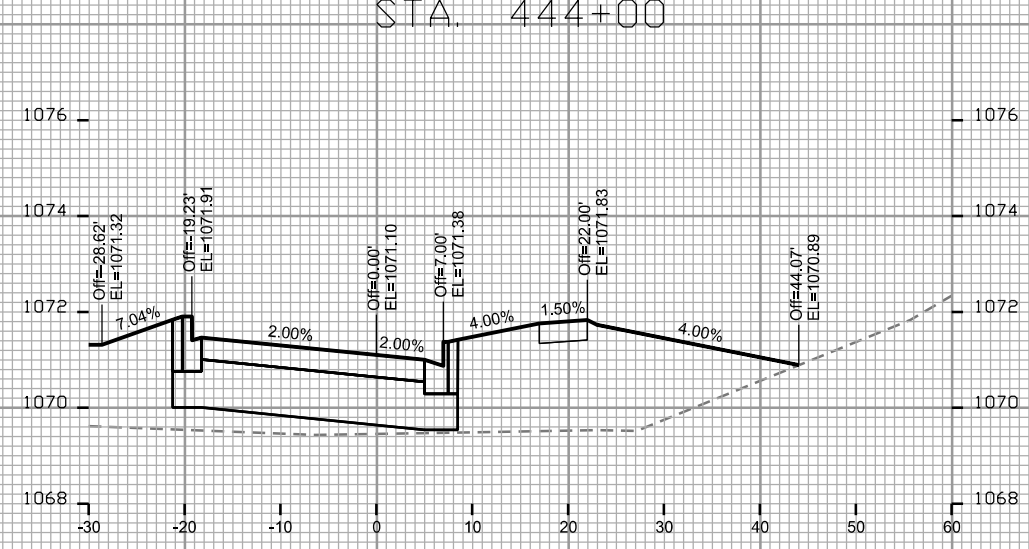
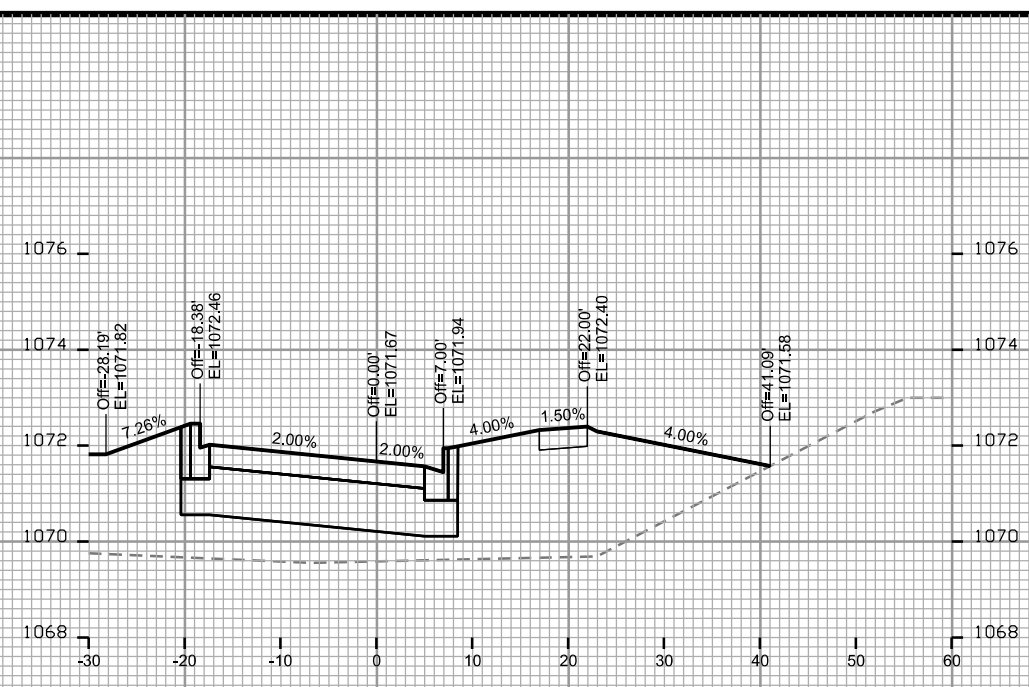
WATTS RD: EASTBOUND CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

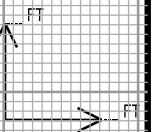
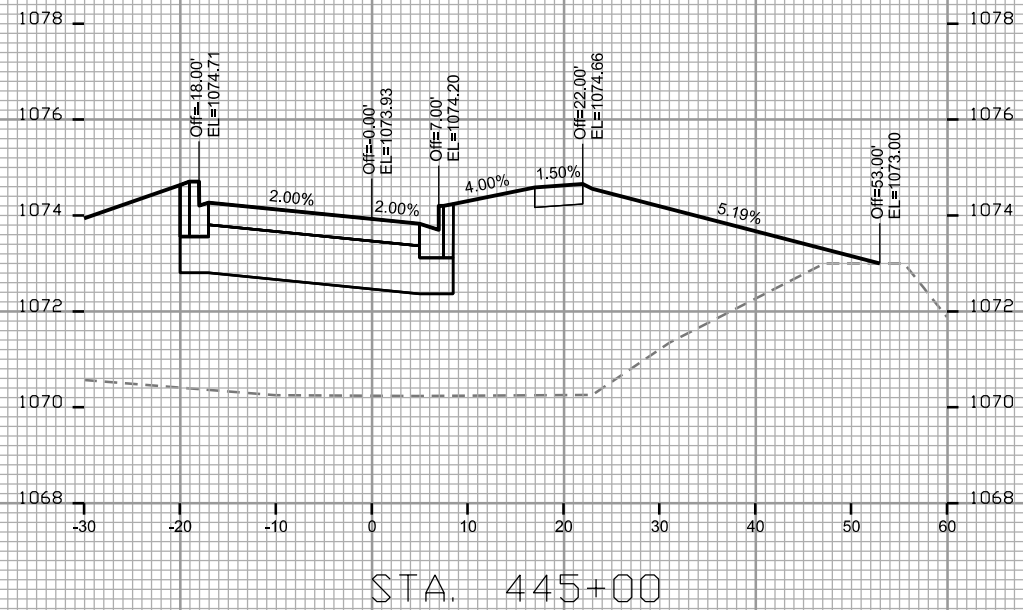
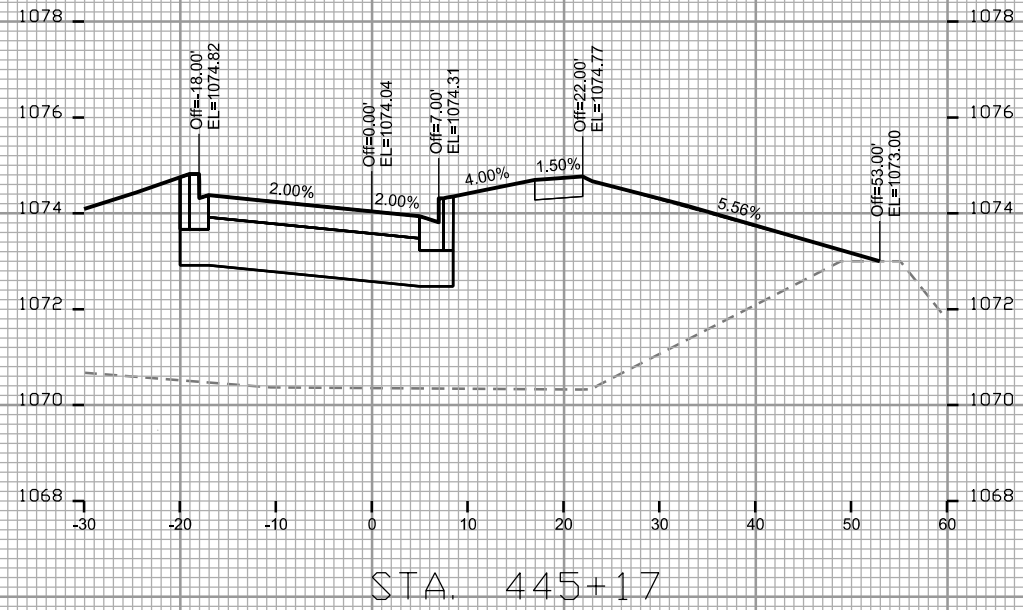
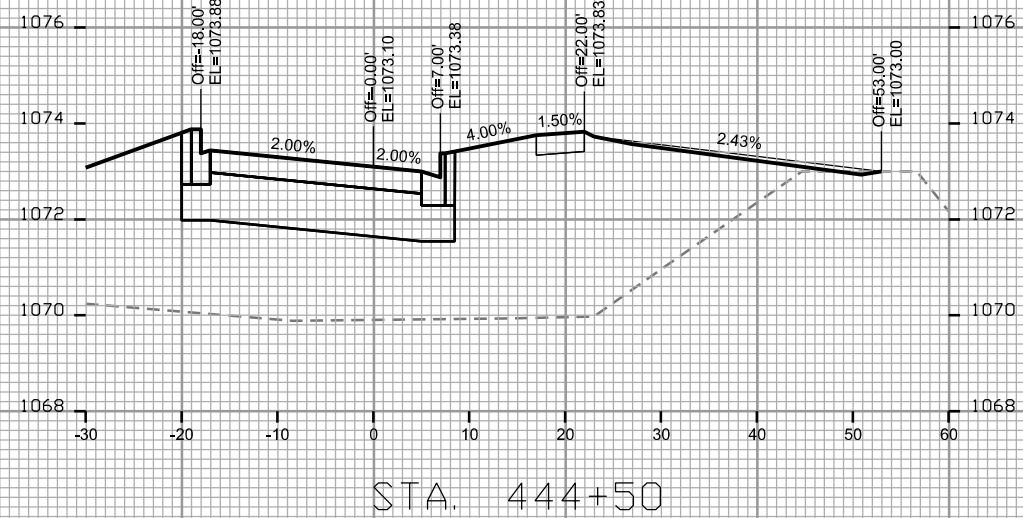
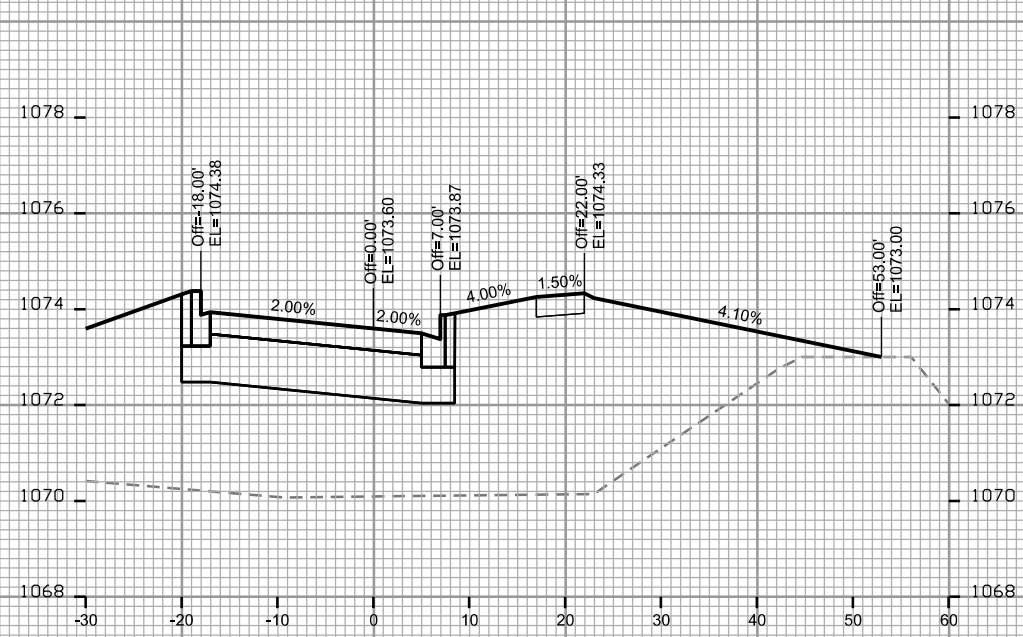
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

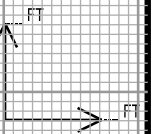
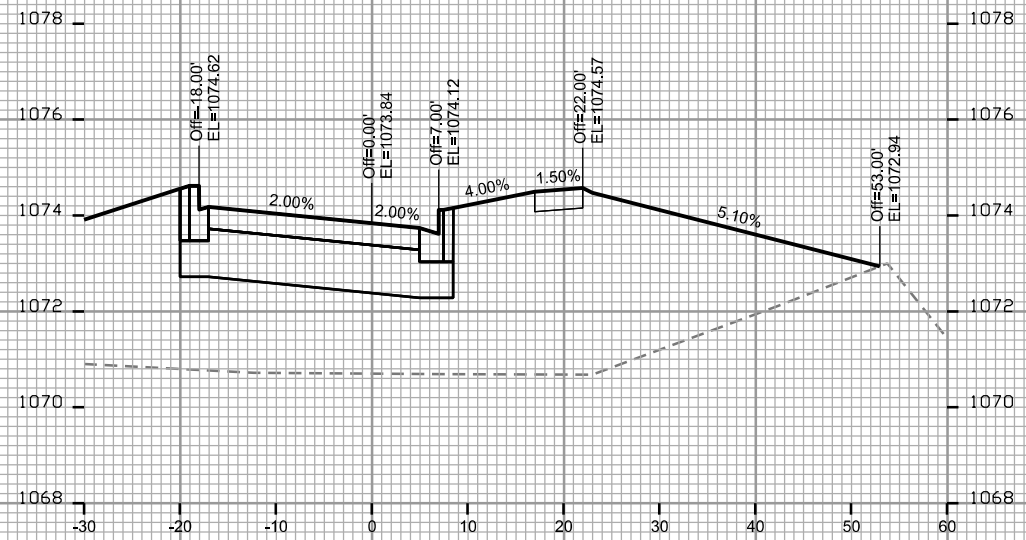
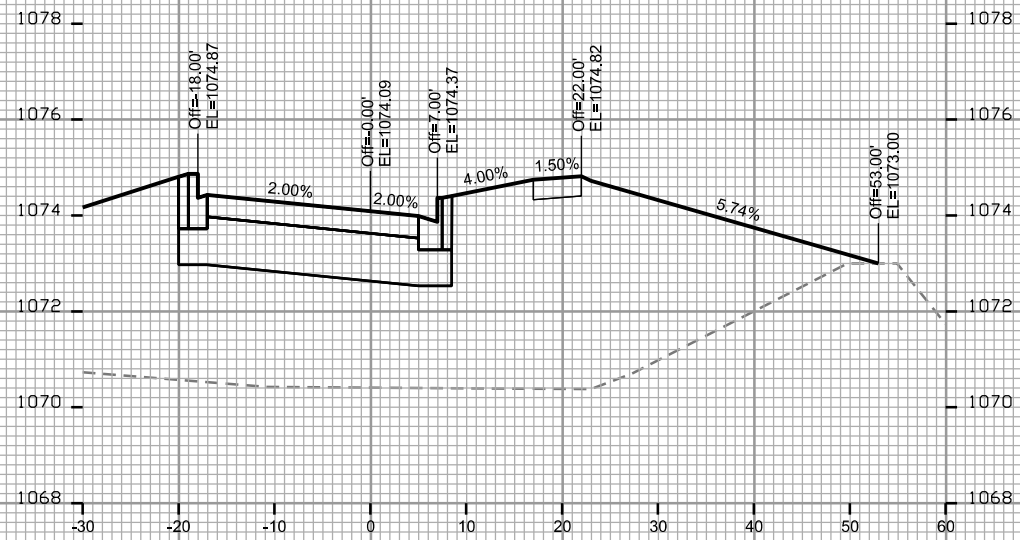
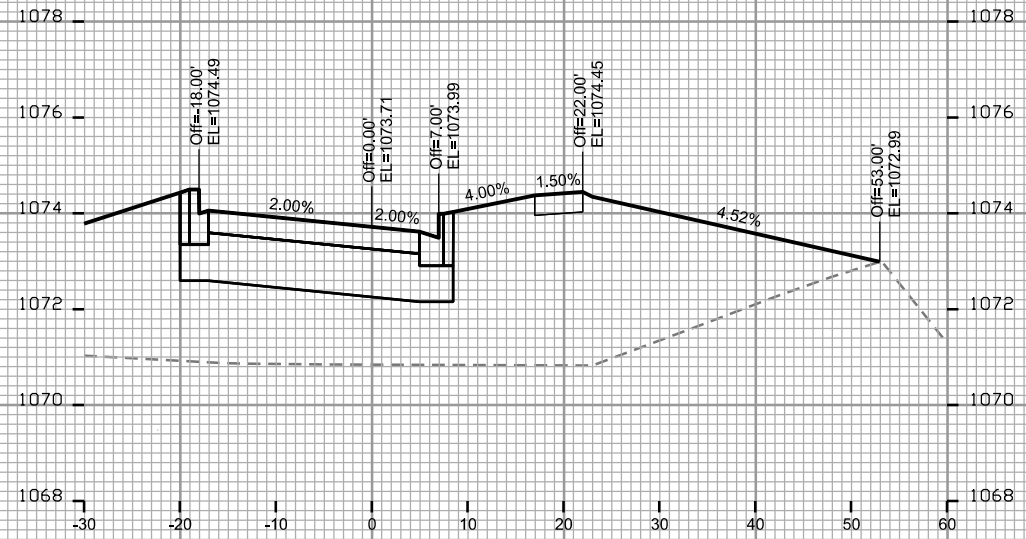
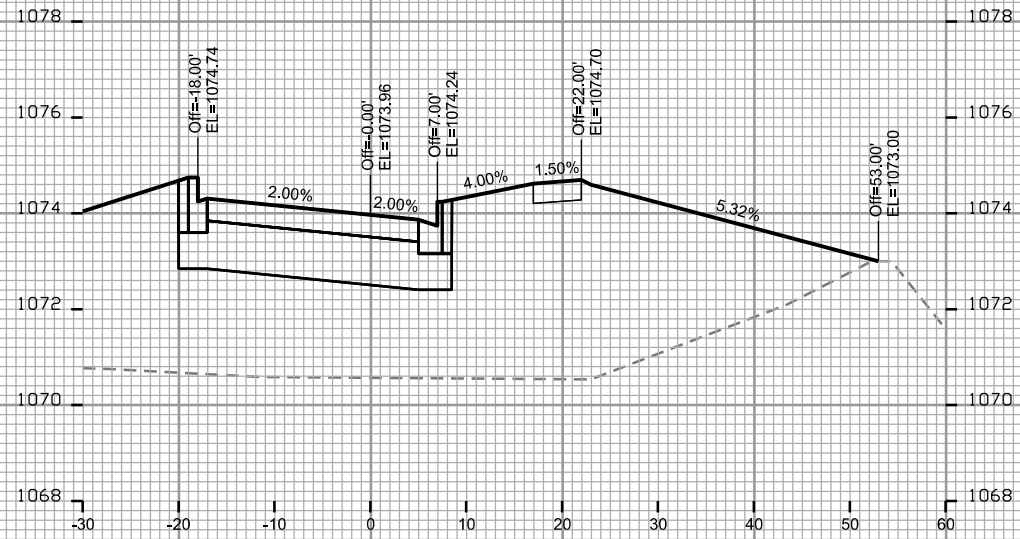
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

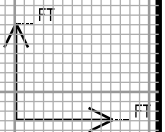
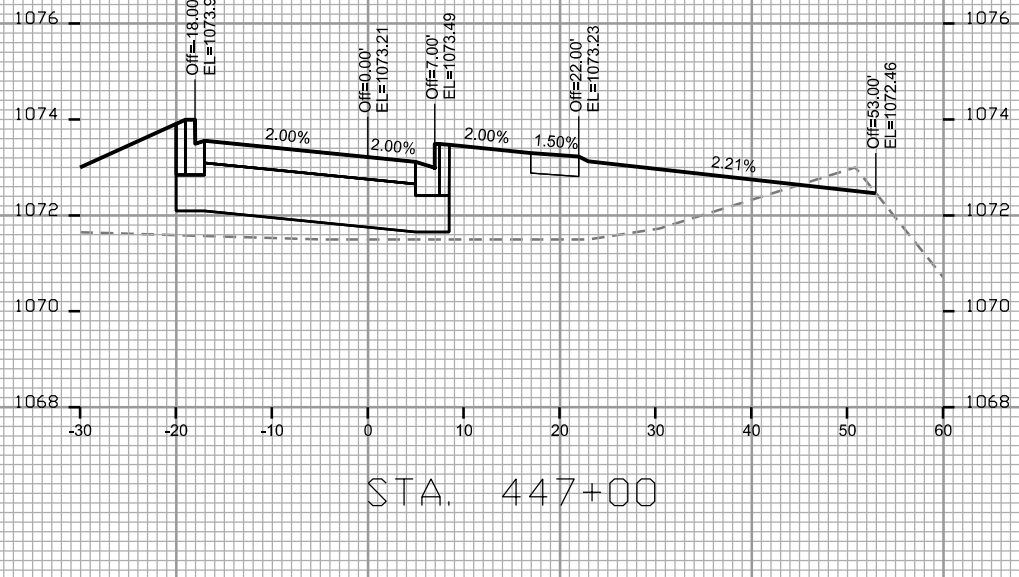
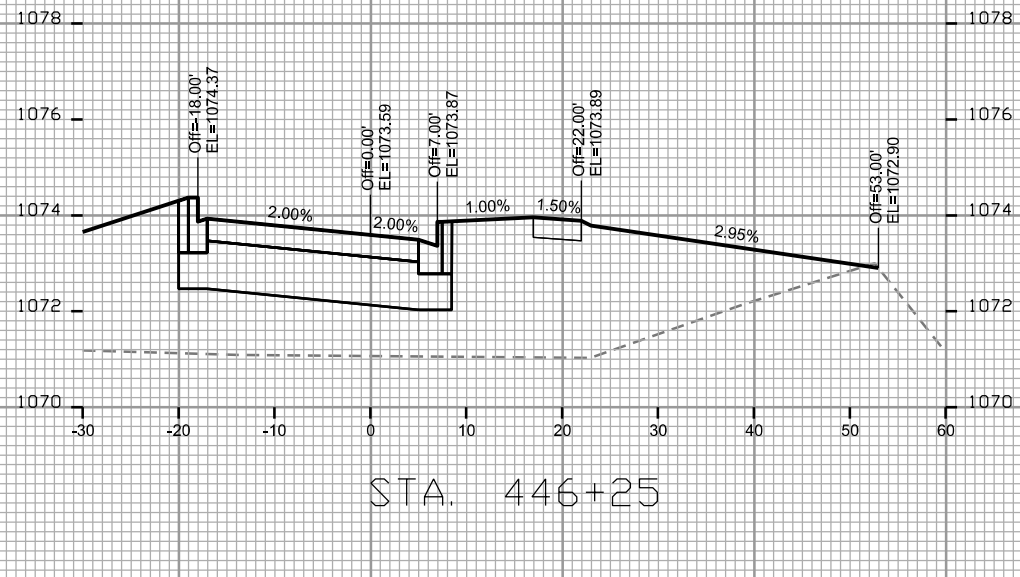
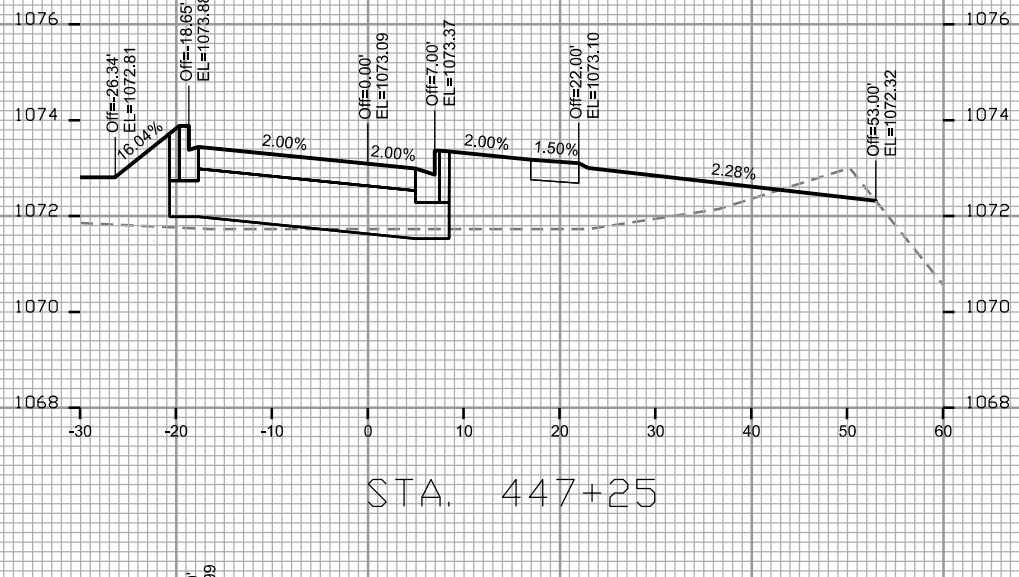
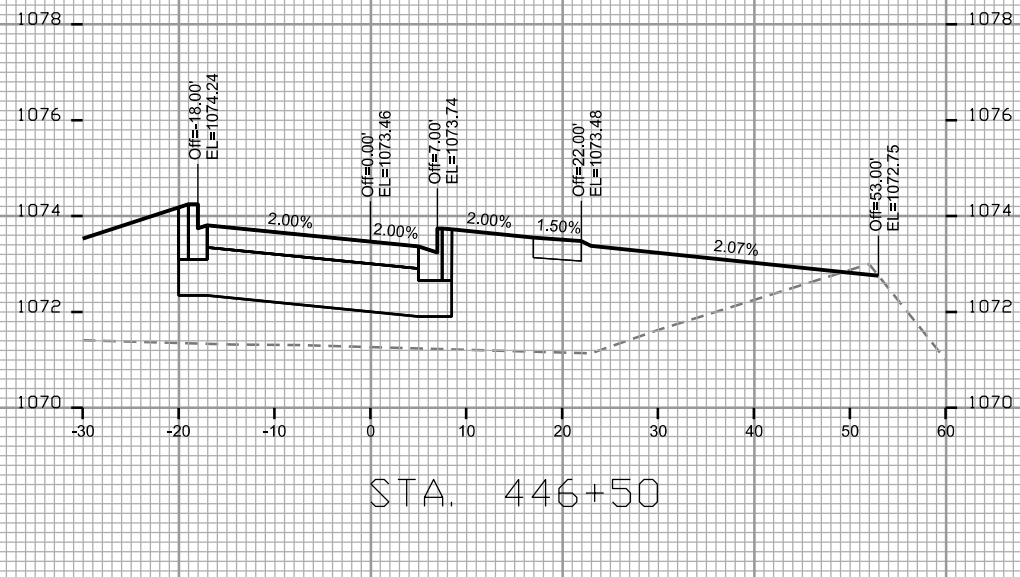
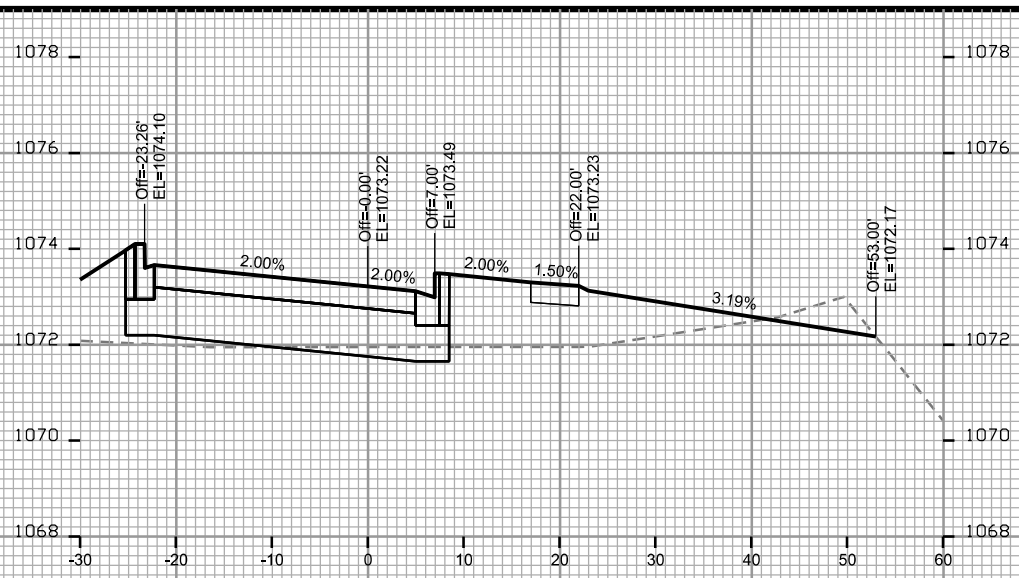
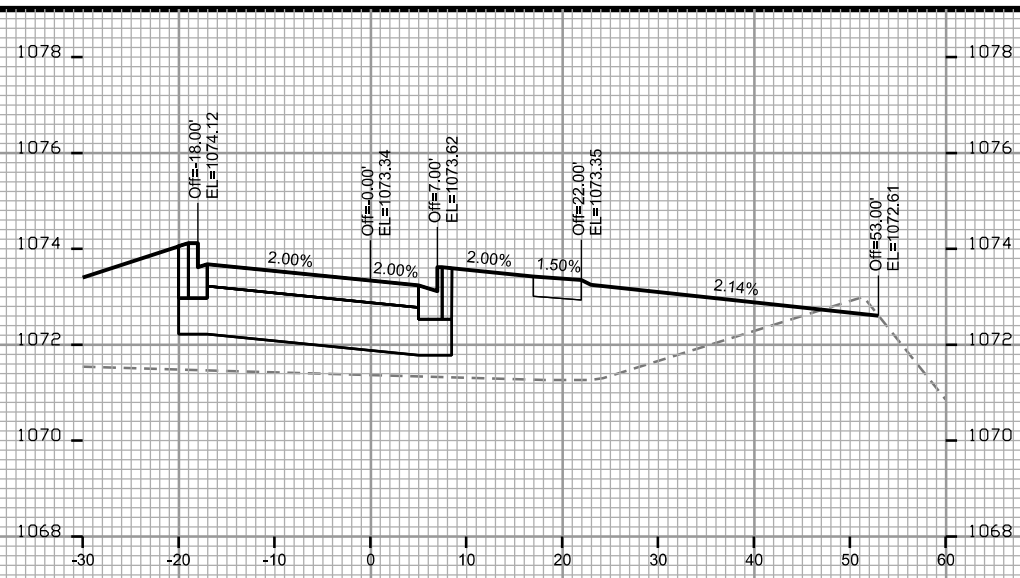
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

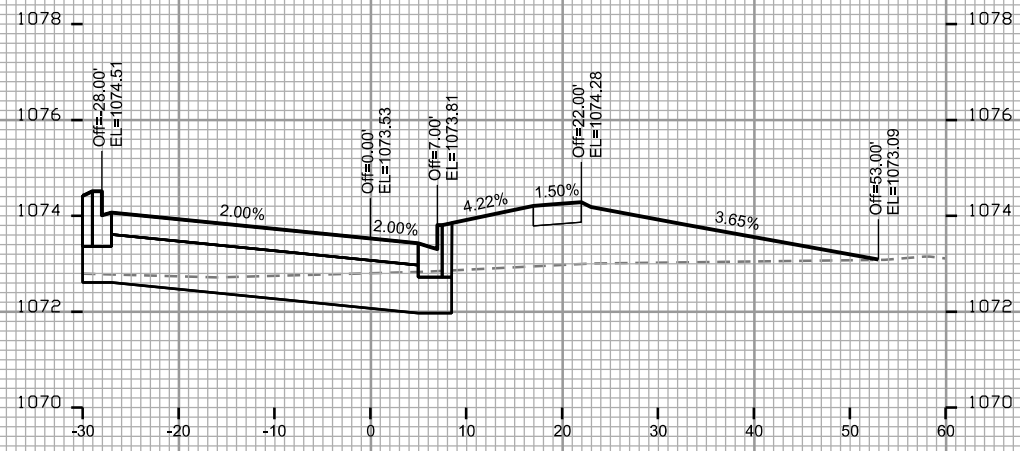
CITY OF MADISON

PLOT SCALE: _____

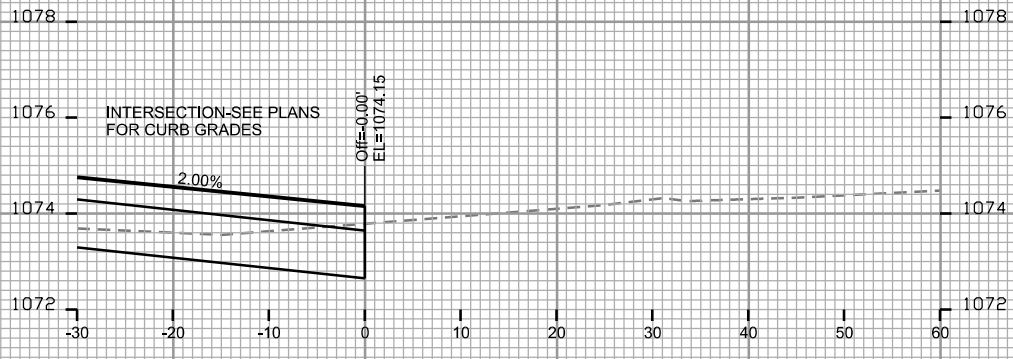
PLOT NAME: _____

REV. DATE: _____

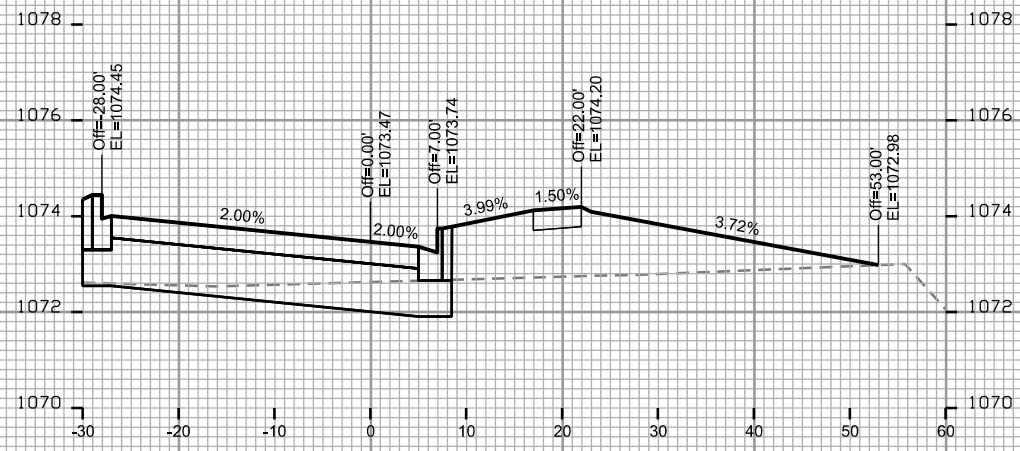
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



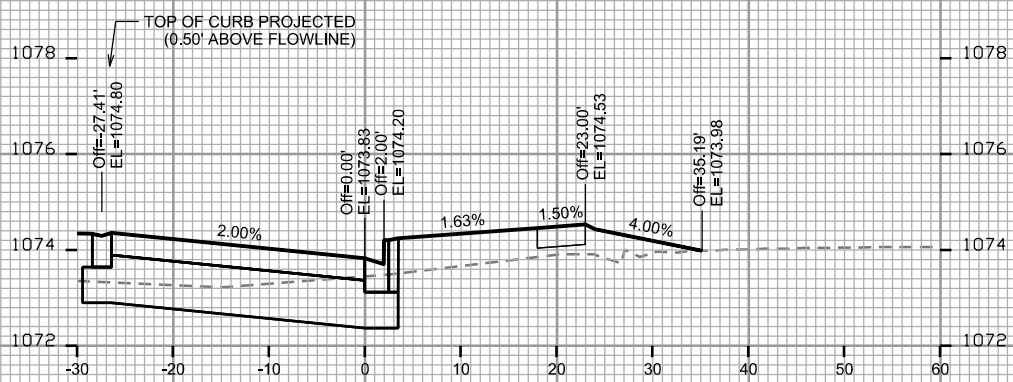
STA. 448+13



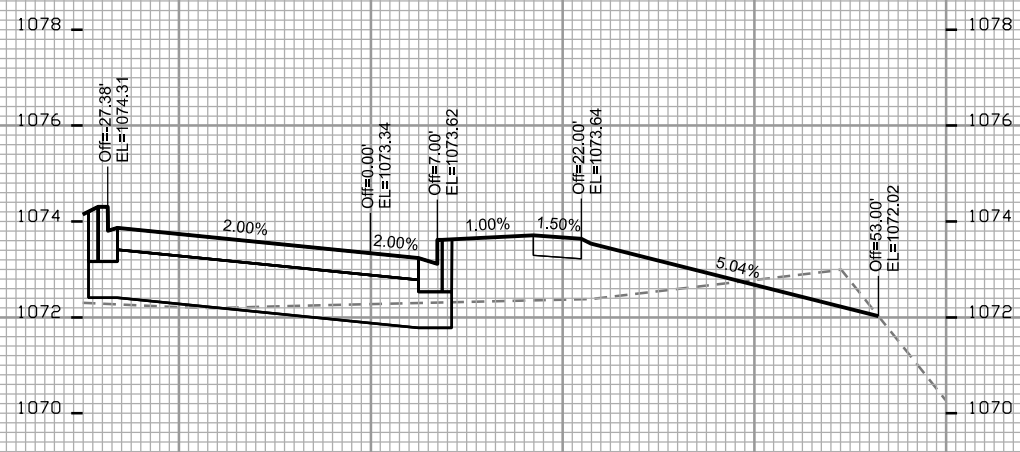
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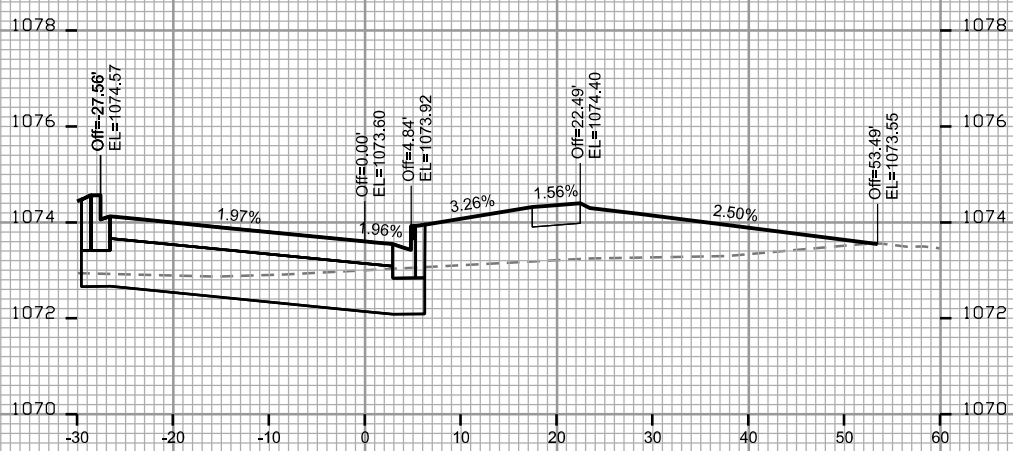
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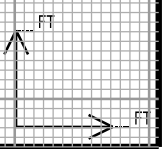
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STA. 447+75



STA. 448+25



CROSS SECTIONS

WATTS RD: EASTBOUND

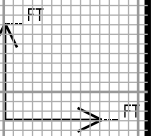
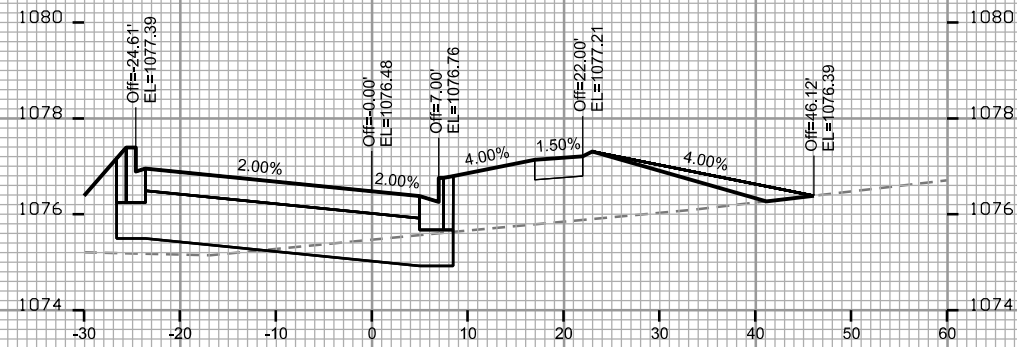
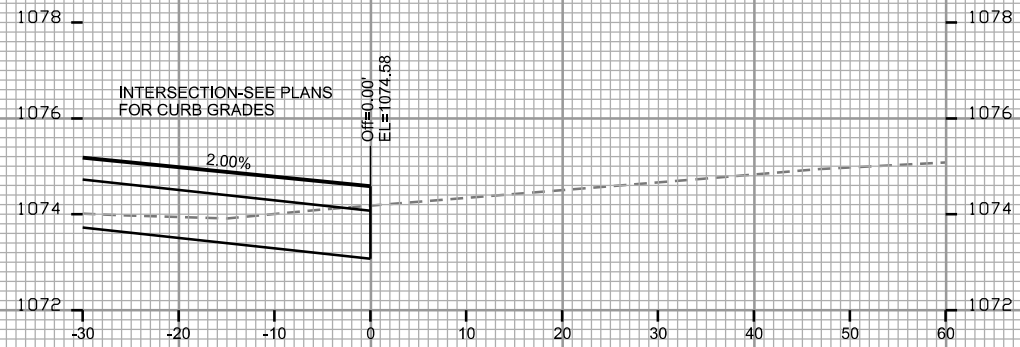
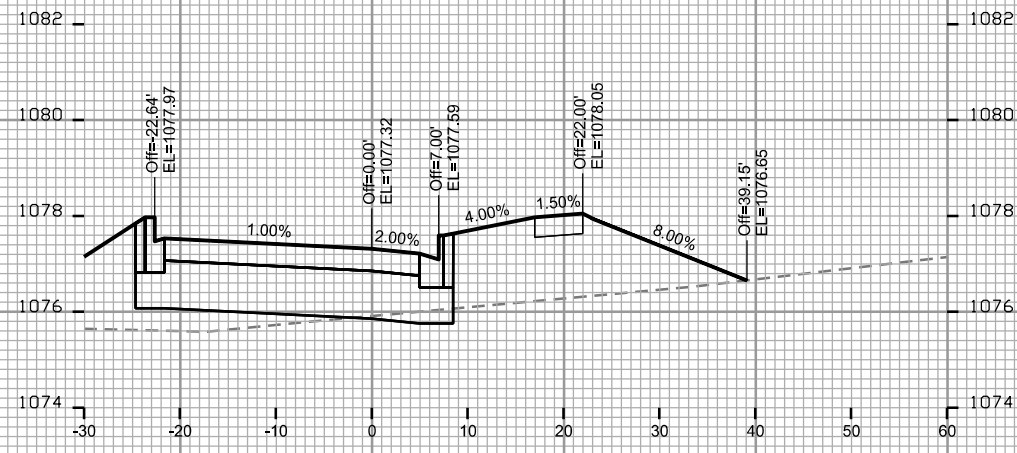
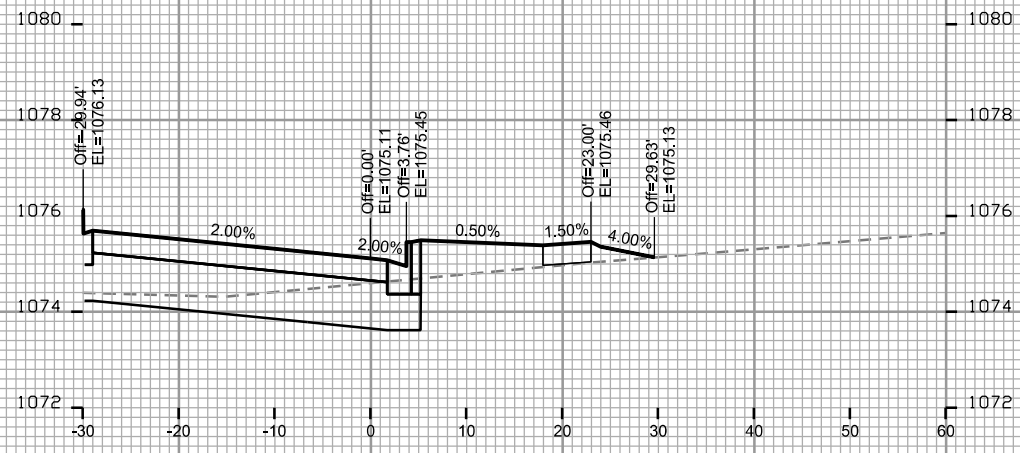
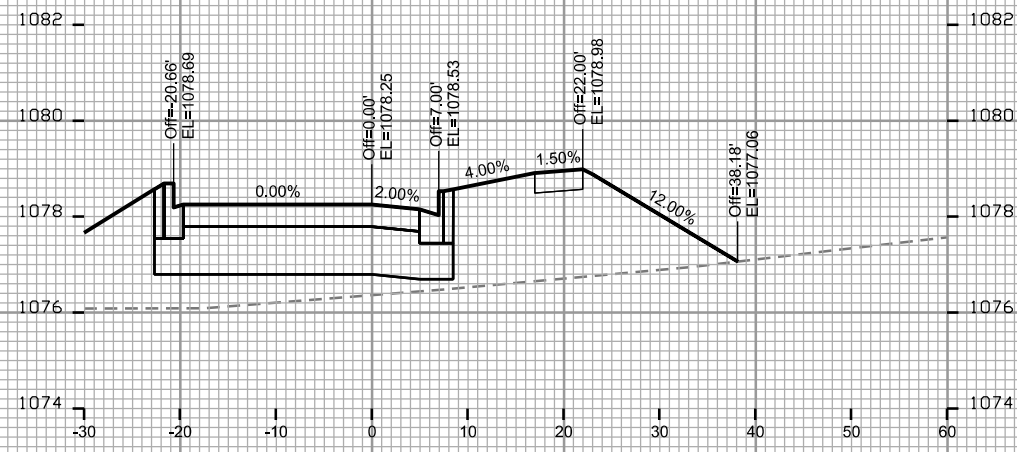
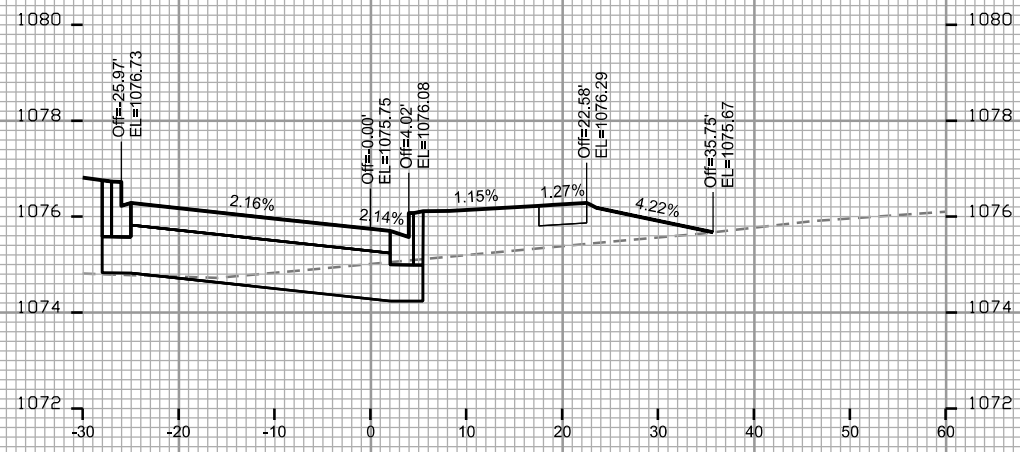
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

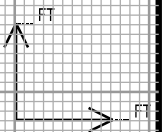
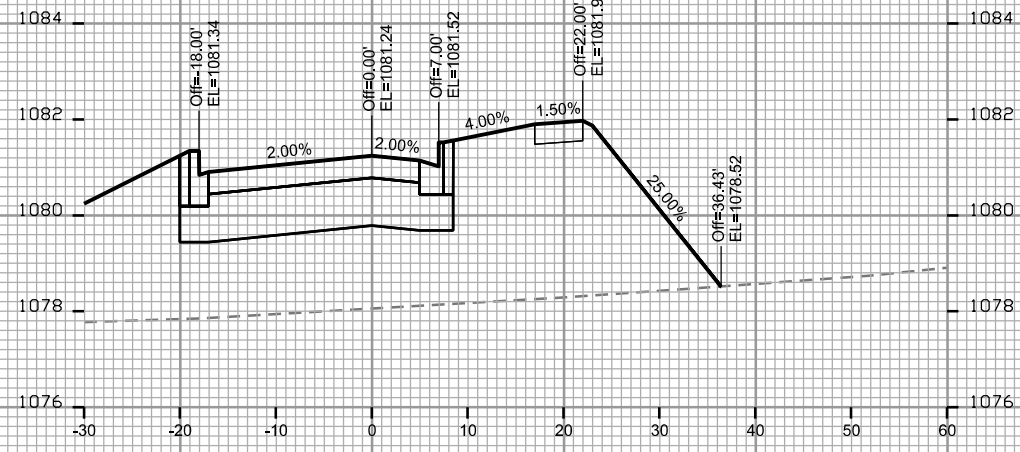
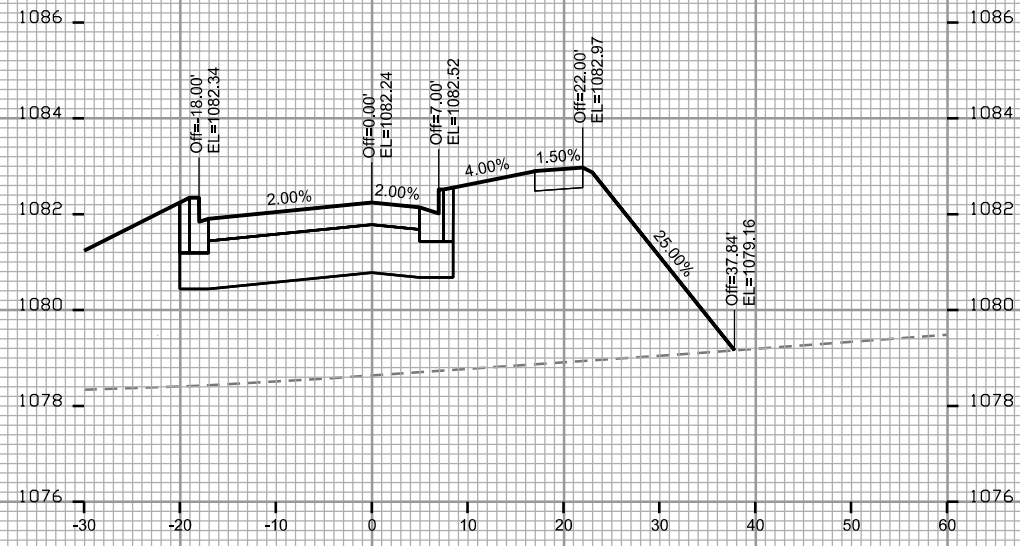
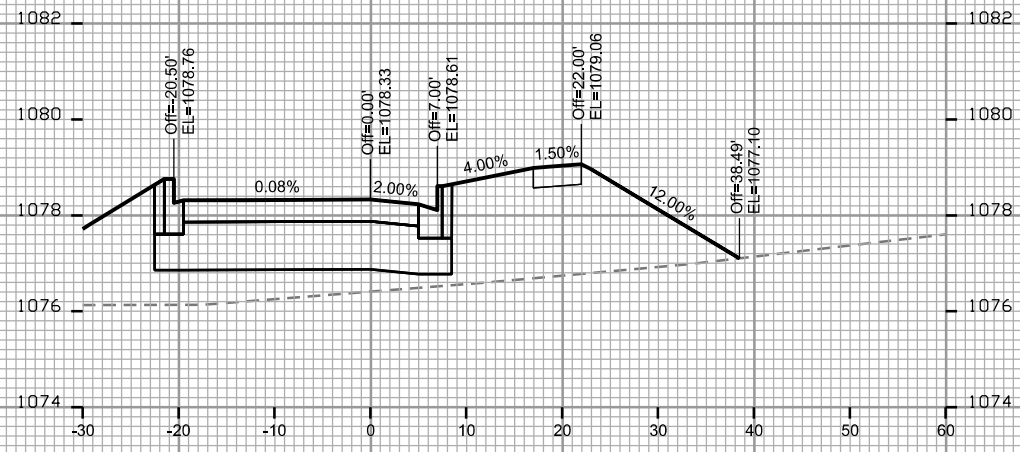
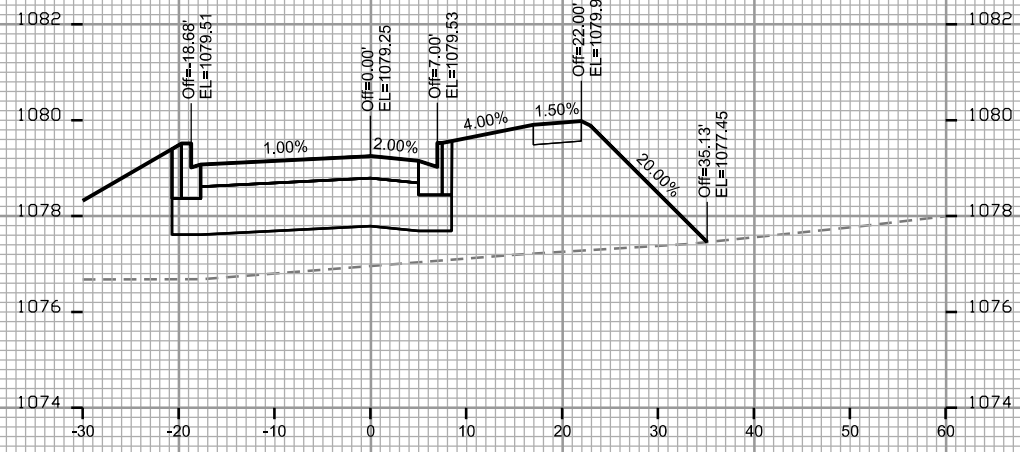
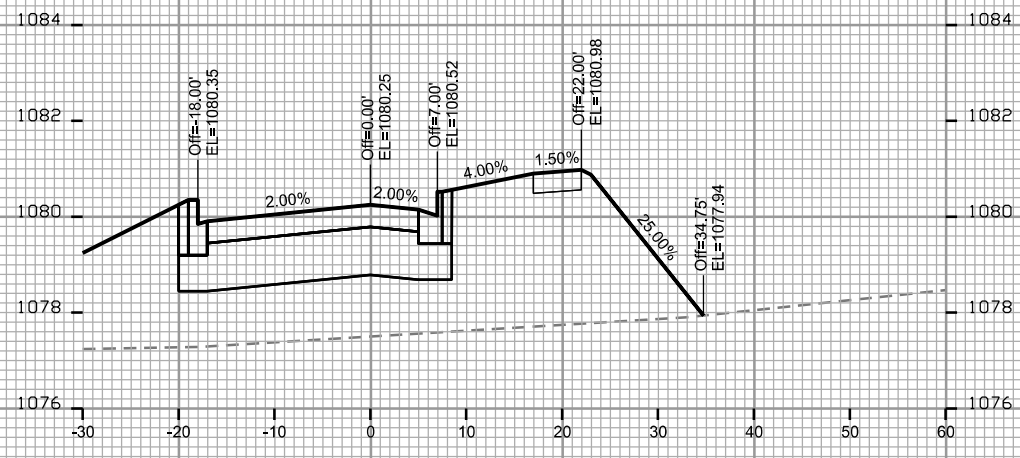
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

WATTS RD: EASTBOUND

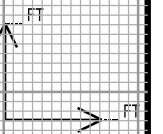
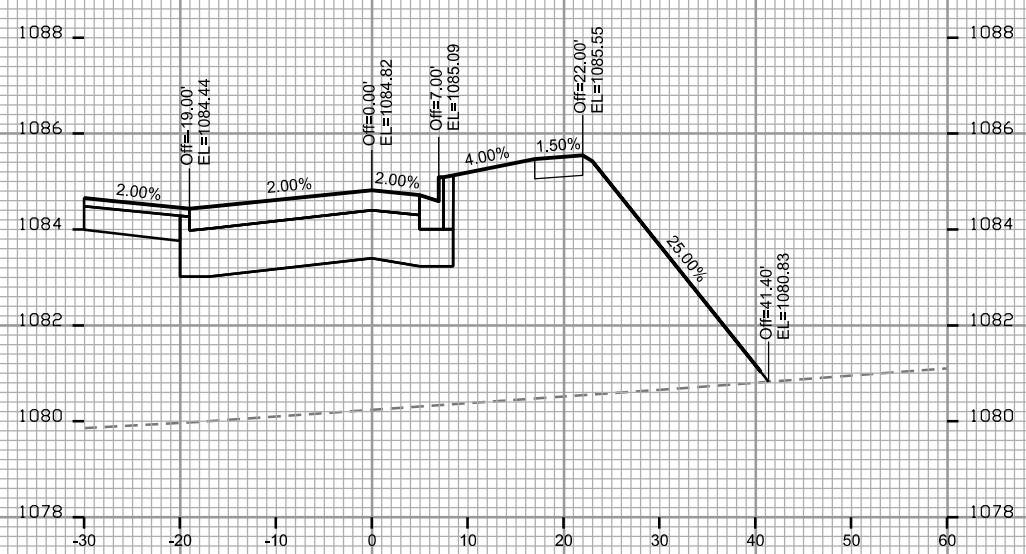
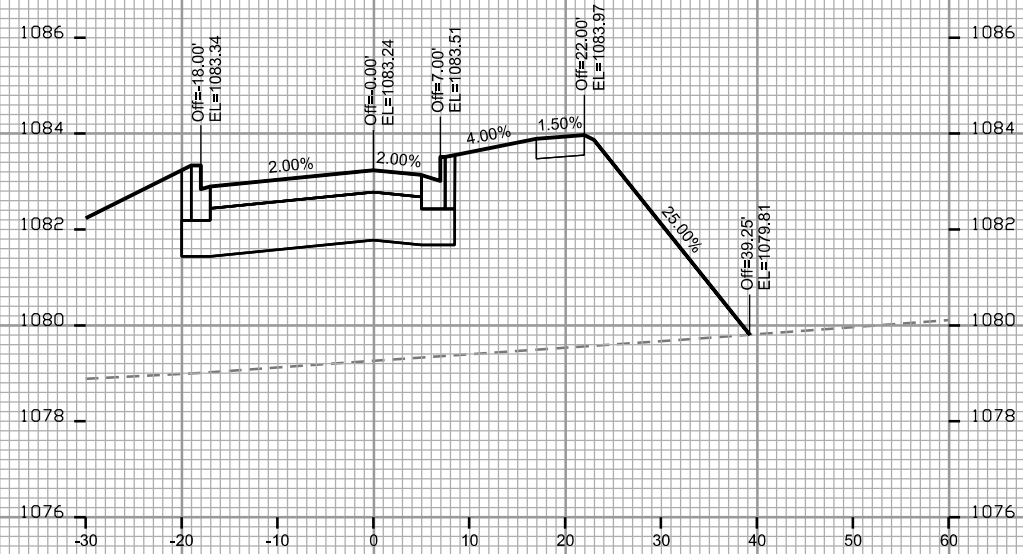
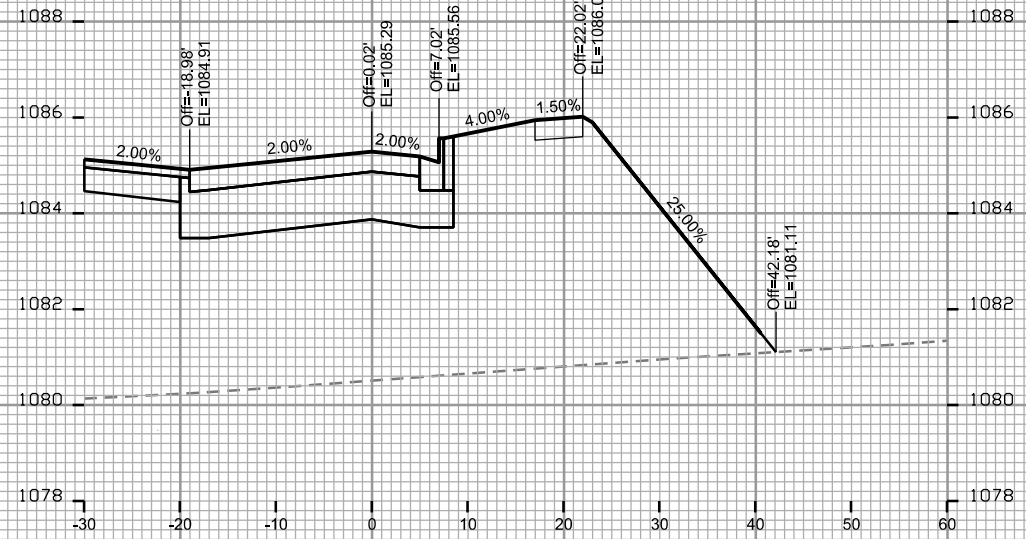
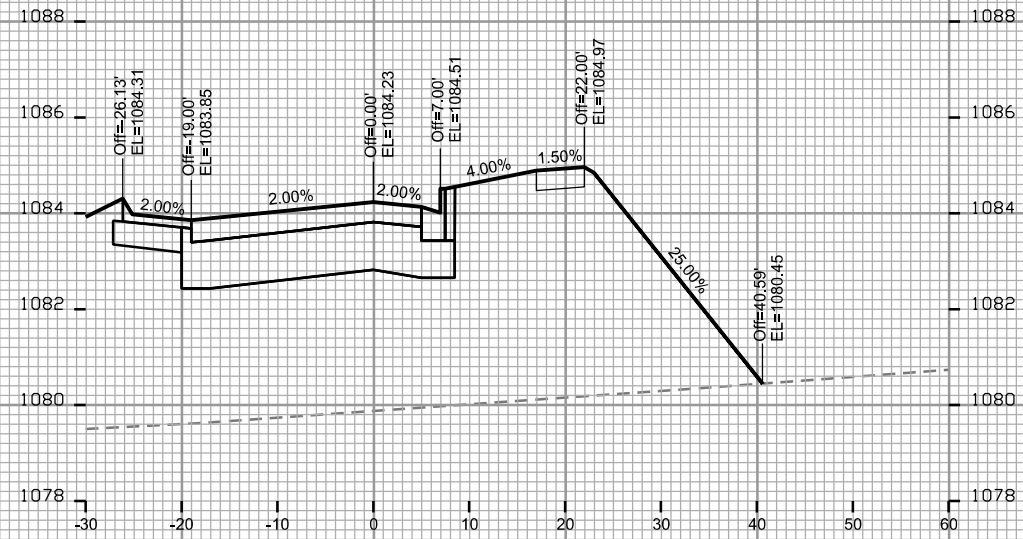
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

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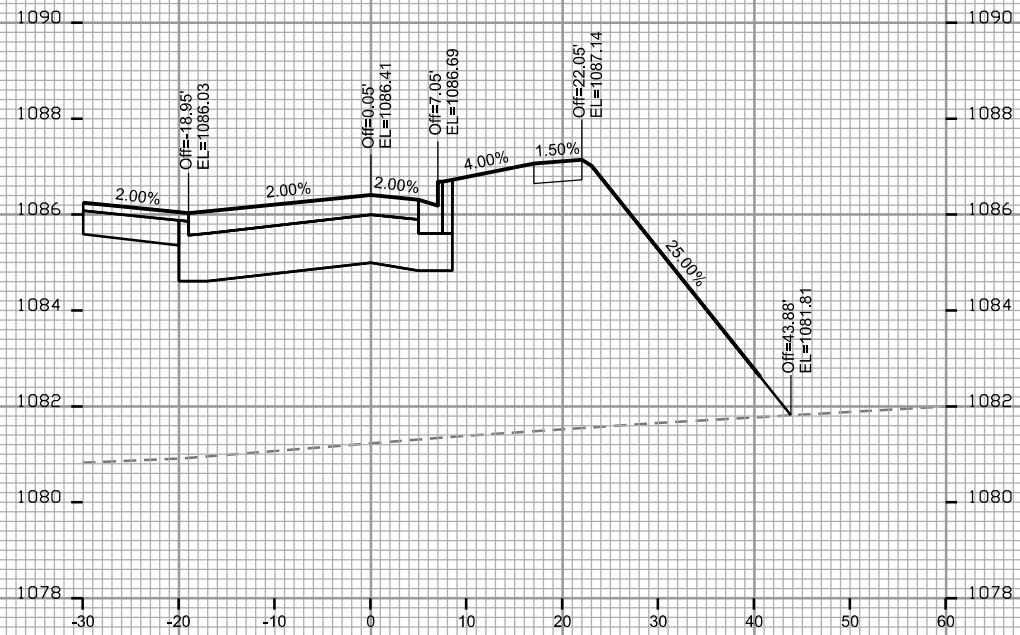
CITY OF MADISON

PLOT SCALE: _____

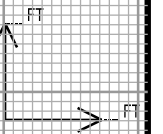
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 452+25



CROSS SECTIONS

FEATHER SOUND DR

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

